

PC37.20.8 Standard for Metal-Enclosed Low-Voltage (3200V and below) Direct Current Power Circuit Breaker Switchgear for Traction Power Applications

**Prepared by Ted Burse
PES Switchgear Committee WG Chair**

Switchgear Assemblies Subcommittee, October 2012 -Review-

- **Alternatives for 20.8 discussed at May meeting:**
 - 1. Accept TPSSC Proposal, Revise 20.8 Par
 - 2. Segregate dc Completely from 20.1, Revise 20.8 Par
 - 3. Revise 20.1, Revise PAR for 20.8 to form Traction Power Application Guide.
- **Motion passed: Recommend that Ted Burse move forward with Option 3 which is, “Revise C37.20.1 and have C37.20.8 become an Application Guide with PAR written by SA and Co-Sponsorship of this document with TPSSC.”**

Note: 20.1 PAR has not been submitted to IEEE SA.

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- **Report presented at TPSSC meeting held September 2012 in Chicago to communicate SA S/C Motion.**
- **S/C motion not well received by TPSSC.**
- **Conference call held September 27 to discuss consensus of TPSSC Chicago meeting that a separate traction power dc switchgear was still needed.**
- **Two specific items seen as flaws in 20.1 were brought forth and discussed:**
 - **The word “grounded” found in the abstract**
 - **The exception from the grounding requirement for dc, single polarity switchgear rated above 250V was removed from the 2002 edition of 20.1**

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- **Both “sticking points” presented could be easily addressed in the revision process for 20.1**
- **The following options were discussed.**
 - **Withdraw PAR for C37.20.8**
 - **Let C37.20.1 be the primary document for all DC switchgear.**
 - **Add normative annex to C37.20.1 for specific-to-traction-power DC switchgear requirements**
 - **TPSSC support for DC portion of standard and annex**

Discussion