

## Metal Enclosed Switchgear Rated 1kV to 52kV Incorporating Gas Insulation Systems

Minutes of 4<sup>th</sup> Meeting, May 7, 2014

Purpose was a proposal for Task Group

Chair: Eldridge Byron

Vice Chair: George Becker

Location: Orlando, FL

Participants: 41 attendees

1. The meeting was started with the introduction of all participants and attendance recorded.
2. The convener reviewed the agenda for the meeting.
3. The last swgr meeting minutes were reviewed and the subst meeting comments were discussed.
4. The current state and need for a standard was discussed. The need and purpose for the document was questioned but since IEEE documents or divide into different equipment groups unlike 62271-200, it was agreed that this is the best approached to get requirements listed for GIS. We are including all types of equipment using compressed gases in the document not only SF6.
5. It has been agreed that the WG meetings be held at both Switchgear and Substation Committee meetings. The chair will arrange for teleconferencing to be included for the meetings so members not able to attend all meetings can conference in.
6. The chair reviewed the sample of a PAR to be submitted to Switchgear and Substations committees. The two sub-committees are the SA Switchgear Assemblies and K0 Gas Insulated Substations.
7. The Title and Scope of the document was discussed with changes made. New title and Scope are in the attached Slides.
8. An apparent agreement has been reached and Switchgear will be the primary sponsoring committee. We will request Assemblies for permission to submit a PAR request and later this month with Substations.
9. Chairman will issue a P3 after the Sub meeting with both comments by end of month.
  - a. Agreed to change scope by deleting requirement that primary interrupter had to be in gas compartment.
  - b. Agreed to use C37.20 series temperature rise table.
  - c. Agreed to include conformance requirements in document.
  - d. Agreed not to include degrees of protection in document but to maybe reference them.
10. Schedule of the last meetings
  - a. Winter 2014 (14 January – 16 Jan) New Orleans, LA (Sub)
  - b. Spring 2014 (5 May – 8 May), Disney Contemporary Hotel, Orlando, FL (Swgr.)
11. A proposed schedule for the next joint (SUB & SWGR) meetings are as follows:
  - a. Spring 2014 (18 May– 22 May); Nines Hotel, Portland, OR (Sub)
  - b. Fall 2014 (21 Sept-25 Sept) Renaissance Hotel, Asheville, NC
12. Meeting was adjourned.

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- This standard covers the design, testing, and installation of metal enclosed switchgear that incorporates gas at higher than ambient pressure as an insulation medium for alternating-current applications above 1kV to 52kV. Contents of switchgear may include but are not limited to circuit breakers, switches, bushings, buses, instrument transformers, cable terminations, instrumentation, metering and controls, and protective relays. In a vertical section of the switchgear, some or all of the medium voltage compartment(s) shall be comprised of a sealed pressure system for the primary insulating medium. This standard covers both indoor and outdoor installations.
- This does not cover switchgear that is covered under C37.20.2, C37.20.3, or C37.74 that uses individual components that are gas insulated such as switches, circuit breakers and other equipment, nor does it fully cover these components which are covered by their individual component standards. .