

**Minutes of Working Group Meeting
IEC 62271-37-082 (WG53) / IEEE PC 37.082
in Orlando on May 17th & 18th 2011**

Title of Document: **Standard methods for the measurement of sound pressure levels of outdoor circuit-breakers (old title).**

Chair / Convenor: Leslie T Falkingham

Present:	D Dufournet	Alstom Grid	Member
	D Lemmerman	PECOExelon	Member
	M Glinkowski	ABB	Member
	C Johnson	Bonneville P. A.	Member
	D Sharma	Consultant/Entergy	Member
	J Haasz.	IEEE	Guest
	J Nelson	TVA	Member
	J Hall	TVA	Guest
	W Long	Eaton	Guest
	H Heiermeir	ABB	Member
	W Bergman	Consultant/Powernex	Member
	K Gettman	NEMA	Guest
T Pellerito	Detroit Edison	Member	

General

- The meeting was held in conjunction with the IEEE Switchgear Committee meeting.
- Introductions were made by all present.
- IEEE patents slide were shown by the Chair.
- Minutes of the previous meeting (Myrtle Beach) were approved.

Status of the voting on the latest draft

- The identical document has now been balloted in the IEC and IEEE systems. The IEC CDV was balloted (affirmative) with comments; IEEE PC37.082 was balloted (affirmative) with comments.
- The second draft was balloted in IEC and IEEE:
 - In IEC 17A/951/CD (18 of 20 P-Members voted in favour) 90%
 - In IEEE PC37.082_D2 (1 negative and 1 comment)
- In view of the positive result of the voting the document is considered ready for issue subject to minor revisions. The goal of this meeting is to go through the comments, clause by clause, and to resolve the comments without making significant changes, we shall then obtain IEEE approval of the revised document, and then proceed to IEC FDIS balloting. This review of comments was done and the completed table of comments is now available together with the revised document. Key points are below;
 - The reference to Acoustical Society of America (ASA) standard should be for 2005 rather than 1971.

- IEEE Scope and PAR have been modified to match the document. However there are instances of incorrect titles used in the body of the standard. The alternate title sometimes used was High-voltage switchgear and controlgear, Part 37-082: “Standard practice for the measurement of sound pressure levels on alternating current circuit-breakers” This has now been corrected and a PAR revision applied for. The agreed title will be
 - IEC 62271-113-37-082 High-voltage switchgear and controlgear, Part 37.082 Measurement of sound pressure levels on alternating current circuit-breakers.
- Reference standards titles and years of issue have been corrected.
- The first sentence of the definition of Band (octave and 1/3 octave band) will be changed to read “A grouping of frequencies for the purpose of identifying how sound energy is distributed as a function of frequency”.
- Impulsive sound is to be measured with a 35 ms time constant over the opening or closing interval of the circuit breaker.
- Add to 6.1 General test requirements. The circuit breaker shall be fully assembled (in its in-service condition) and mounted on its own structure.
- SI units can be used with other units provided SI units are used first
- The methods can be used for indoor circuit breakers provided suitable measurement precautions are taken

The negative ballots in IEC and IEEE were reviewed. There was one negative ballot in the IEEE voting and two negative ballots in the IEC voting.

J Nelson, the author of the IEEE negative ballot was present and the reason for the negative was discussed and resolved.

K Gettman explained the USA negative ballot in IEC voting. This was discussed and we believe satisfactorily resolved.

The negative ballot of Spain in IEC voting was examined, discussed, and we believe resolved.

Note: The WG has a website on which information on the project is given: <http://17awg53.yolasite.com/>

Next actions

The compilation of comments and the new document (FDIS1) will be sent to J Haasz for compliance checking with IEEE. A recirculation ballot of the changes will then be made by IEEE to approve the final document. The documents will then be sent to A Bosma to initiate the FDIS procedure in IEC.

Next Meeting;

At this point it is not clear whether it will be necessary to hold a further meeting. This will be decided during the summer. If a meeting is required then it is proposed that this be held in conjunction with the IEEE Switchgear meeting in Nashville USA in September 2011.