

9.8 Audible Sound and Vibration - J. Puri, Chair

9.8.1 Meeting Minutes

The Subcommittee met in Orlando on Wednesday, October 17 at 8:00 a.m. with fourteen members and thirteen guests present. Seven new members were welcomed to our subcommittee.

The minutes of the last meeting at Amsterdam, The Netherlands, were approved.

The following items were discussed:

- 1. WG Report:** The WG on “Sound Intensity and Sound Pressure measurement procedures” met for the first time on Tuesday, October 16 at 3:13 p.m. with 6 members and 19 guests present. Eleven new members were welcomed to this working group. The total membership of this WG now includes 30 participants.

Mr. Jan Declercq withdrew from the chairmanship of this WG due to other assignments so, Jeewan Puri took over as the acting chairman. We will miss Jan’s expertise and contributions in this WG.

The WG discussed and resolved all the comments on the first draft of Section 13 of C57.12.90 and C57.12.91. This section will cover sound level measurement procedures using Sound Intensity and Sound Pressure measurement methods.

The second draft of this document will be circulated to all the participant of the WG for their comments. These comments will be discussed in the next WG meeting.

Mr. Jim Nielsen from Pauwels, Canada has accepted the chairmanship of this WG. His participation in this effort is greatly appreciated.

- 2. SC Chairman’s Report.** Jeewan Puri, the Subcommittee Chairman reported on the following subjects:

- Jeewan had proposed revised sound level tables for NEMA Standards TR1 and ST 20 for liquid filled and dry type transformers. These tables were extended based on a "Validity Check Equation" to include sound levels for additional transformer kVA ratings.

This proposal was reviewed by NEMA membership. Mr. Phil Hopkinson informed us that NEMA members have no objection to the use of the proposed methodology for extending these tables to include additional kVA ratings. The present figures however, should not be changed.

Jeewan Puri will revise these tables and submit them for approval by NEMA membership.

- The first draft of sound level measurement procedures is now close to its final draft stage. It was agreed that the SC should now start writing a guide for sound level measurement with sound intensity and sound pressure measurement procedures.

3. New Business:

- Jeewan Puri proposed that in order to harmonize the IEEE Standards with IEC, the US transformer manufacturers should be expected to guarantee sound levels only when so specified by the customers. Otherwise, no sound level guarantees should apply.

This proposal was rejected by 18 to 0 votes in the Subcommittee.

- Jeewan Puri proposed that all transformers should meet sound levels listed in NEMA standards TR 1 and ST 20. These requirements should be specified in C57.12.00 and C57.12.01 standards.

This proposal was accepted by 15 to 1 votes in the Subcommittee.

Jeewan Puri will draft statements for the final approval of the Subcommittee before submitting them for inclusion in Standards C57.12.00 and C57.12.01.

There being no other business, the meeting adjourned at 9:15 a.m.

Jeewan Puri

SC Chairman