

“AUDIBLE SOUND AND VIBRATIONS” SC

Meeting Minutes

Porto, Portugal

October 8, 2008

Chairman: Jeewan Puri

The Audible Sound and Vibrations SC met on Oct. 8, 2008 at 9:00 AM with 12 members and 11 guests present. After introductions the participants discussed the following issues:

WG Report – Jeewan Puri: The WG reviewed the recent work presented by Ramsis Girgis on sound intensity measurements. He explained that:

1. The present criterion of 8 dB A difference between sound intensity and pressure difference for acceptable measurement accuracy is not correct. This criterion should be changed to 5 dB for each of the discrete main frequency measurements.
2. He suggested that the present Section 13 should not be rewritten but should be modified to include sound intensity measurements.
3. He agreed to make another presentation explaining the errors in the present $\Delta L = 8$ dB A criterion in the next WG meeting.

Revision of C57.12.90 Section 13: It was pointed out the WG had finished writing Section 13 for C57.12.90 and C57.12.91 and submitted it for publication. They had also completed writing a measurement guide for making this test and was reviewing it for publication when Ramsis Girgis pointed out that specifying the difference of 8 dB A (ΔL) in sound pressure and sound intensity measurements is incorrect. His recent work indicates that this ΔL should be no more than 5 dB at all the predominant core frequencies.

The SC also considered Ramsis Girgis's proposal that Section 13 should not be rewritten but instead only be modified per his suggestions for including sound intensity measurement procedures. It was agreed that Ramsis's proposal will be circulated simultaneously to the WG and the SC for discussion in our next meeting.

No discussion could take place on the sound level mitigation guide C57.136 since Allen Darwin could not attend our meeting.

There being no new business, the meeting adjourned at 10:00 AM.

Jeewan Puri
Chairman - ASVSC