INTERNATIONAL ELECTROTECHNICAL COMMISSION

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IEC 60601-2-33
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Medical electrical equipment - Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis

INTERPRETATION SHEET 2

This interpretation sheet has been prepared by subcommittee 62B: Medical imaging equipment, software, and systems, of IEC technical committee 62: Medical equipment, software, and systems.

The text of this interpretation sheet is based on the following documents:

DISH	Report on voting
62B/1393/DISH	62B/1402/RVDISH

Full information on the voting for the approval of this interpretation sheet can be found in the report on voting indicated in the above table.

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201.9.6.2.1.101 Acoustic noise requirements inside the MR EXAMINATION ROOM

The requirement is clarified as follows:

Exposure of the PATIENT, MR WORKERS and other persons is expressed as acoustic noise emission value, produced by MR EQUIPMENT, or the emission levels specified. Thus, exposure is not the sound level at or inside the ear, but the sound level to which the means for hearing protection is exposed.

The compliance section is clarified as follows:

The following expression shall be evaluated:

$$99 + \text{hearing protection value} > L_{Aeq,1h}$$

where $L_{Aeq,1h}$ is derived using the measured $L_{Aeq,20s}$ from NEMA MS4.

ICS 11.040.55

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