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AMENDMENT 1
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Acoustics — Measurement of sound pressure levels in the interior of aircraft during flight

AMENDMENT 1

Acoustique — Mesurage des niveaux de pression acoustique à l'intérieur des aéronefs en vol

AMENDEMENT 1

Reference number
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Foreword

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Amendment 1 to ISO 5129:2001 was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 1, *Noise*.

Acoustics — Measurement of sound pressure levels in the interior of aircraft during flight

AMENDMENT 1

Page 1, 1.3, line 2

Delete "one-third-octave band sound pressure levels", insert "one-third-octave-band sound pressure levels".

Page 1, Clause 2

Replace the preamble by the following text.

> The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Page 1, Clause 2

Delete ISO 31-7, footnote 1), and ISO 266 and insert the following.

ISO 80000-8, *Quantities and units — Part 8: Acoustics*

Delete IEC 61260, and insert the following.

IEC 61260-1, *Electroacoustics — Octave-band and fractional-octave-band filters — Part 1: Specifications*[1)]

Delete "2)" after IEC 61672-1 and footnote 2).

Page 1, Clause 3, preamble

Delete "ISO 31-7" insert "ISO 80000-8".

Page 2, 4.1, lines 3 and 6

Delete "shall conform at least to the applicable class 2", insert "shall conform to the applicable class 1".

Page 2, 4.1, line 7

Delete "that conform at least to the class 2 specifications of IEC 61260", insert "that conform to the applicable class 1 specifications of IEC 61260-1".

1) To be published. (Revision of IEC 61260.)

Page 3, 4.4, line 2

Delete “IEC 61260”, insert “IEC 61260-1”.

Page 4, 5.1.2.1, line 1

Delete “while on the ground”, insert “while the aircraft is on the ground”.

Page 5, 5.3.2 c)

Delete “or pressure ratio”, insert “or engine pressure ratio”.

Page 5, 5.3.2 g)

Delete

> instruments, record data appropriate for later calculation of static temperature

insert

> instruments, then record data appropriate for later calculation of static air temperature

Page 6, Clause 6.2, line 4

Delete

> reference sound pressure. The nominal midband frequencies of the filters shall cover the range appropriate for the aircraft and shall be identified by the preferred frequencies of ISO 266.

insert

> reference value for sound pressure level from ISO 1683.[5] The nominal midband frequencies of the filters shall cover the range appropriate for the aircraft and shall be identified by the nominal midband frequencies as given in IEC 61260-1.

Page 6, 6.5, line 3

Delete “reference sound pressure”, insert “reference value”.

Page 7, 7.1 h)

Delete “rotor synchronizer”, insert “rotor speed synchronizer”.

Page 7, 7.2, line 1

Delete “reference sound pressure of”, insert “reference value of”.

Page 8, A.2.2, line 1

Delete “deviation of”.

Page 9, A.2.3, line 4

Delete “equation (A.1)”, insert “Formula (A.1)”.

Page 9, A.2.4, line 1

Delete “combined standard deviation in equation (A.1)”, insert “combined uncertainty in Formula (A.1)”

Page 9, A.2.4, line 2

Delete “standard deviation”, insert “standard uncertainty”.

Page 9, A.2.4, line 4

Delete

standard deviation for the measuring instruments is likely to be less than the tolerance limits allowed

insert

standard uncertainty for the measuring instruments is likely to be less than the allowances

Page 9, A.2.4, line 5

After “International Standard”, insert “and should be verified by periodic laboratory tests.”

Page 9, A.2.6, line 1

Delete “equation (A.1)”, insert “Formula (A.1)”.

Page 10, Bibliography

Update entries [2] and [3] to read as follows

[2] ISO/IEC Guide 98-3, *Uncertainty of measurement — Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)*

[3] ISO/IEC Guide 99, *International vocabulary of metrology — Basic and general concepts and associated terms (VIM)*

Add Reference [5] as follows.

[5] ISO 1683, *Acoustics — Preferred reference values for acoustical and vibratory levels*

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