

SLOVENSKI STANDARD
oSIST prEN ISO 80601-2-72:2022
01-junij-2022

Medicinska električna oprema - 2-72. del: Posebne zahteve za osnovno varnost in bistvene lastnosti respiratorjev za oskrbo od aparata odvisnih pacientov na domu (ISO/DIS 80601-2-72:2022)

Medical electrical equipment - Part 2-72: Particular requirements for basic safety and essential performance of home healthcare environment ventilators for ventilator-dependent patients (ISO/DIS 80601-2-72:2022)

Medizinische elektrische Geräte - Teil 2-72: Besondere Festlegungen für die Sicherheit einschließlich der wesentlichen Leistungsmerkmale von Heimbeatmungsgeräten für vom Gerät abhängige Patienten (ISO/DIS 80601-2-72:2022)

Appareils électromédicaux - Partie 2-72: Exigences particulières pour la sécurité de base et les performances essentielles des ventilateurs utilisés dans l'environnement des soins à domicile pour les patients ventilo-dépendants (ISO/DIS 80601-2-72:2022)

Ta slovenski standard je istoveten z: prEN ISO 80601-2-72

ICS:

11.040.10	Anestezijska, respiratorna in reanimacijska oprema	Anaesthetic, respiratory and reanimation equipment
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oSIST prEN ISO 80601-2-72:2022 **en,fr,de**

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DRAFT INTERNATIONAL STANDARD

ISO/DIS 80601-2-72

ISO/TC 121/SC 3

Secretariat: ANSI

Voting begins on:
2022-04-26Voting terminates on:
2022-07-19

Medical electrical equipment —

Part 2-72:

Particular requirements for basic safety and essential performance of home healthcare environment ventilators for ventilator-dependent patients

*Appareils électromédicaux —**Partie 2-72: Exigences particulières pour la sécurité de base et les performances essentielles des ventilateurs utilisés dans l'environnement des soins à domicile pour les patients ventilo-dépendants*

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Member bodies are requested to consult relevant national interests in IEC/SC 62D before casting their ballot to the e-Balloting application.

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ISO/CEN PARALLEL PROCESSING



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1	Contents	Page
2	CS will add the contents table at the FDIS stage.	
3		
4		

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ISO 80601-2-72:2022(E)

5 Foreword

6 ISO (the International Organization for Standardization) is a worldwide federation of national standards
7 bodies (ISO member bodies). The work of preparing International Standards is normally carried out
8 through ISO technical committees. Each member body interested in a subject for which a technical
9 committee has been established has the right to be represented on that committee. International
10 organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO
11 collaborates closely with the International Electrotechnical Commission (IEC) on all matters of
12 electrotechnical standardization.

13 The procedures used to develop this document and those intended for its further maintenance are
14 described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the
15 different types of ISO documents should be noted. This document was drafted in accordance with the
16 editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

17 Attention is drawn to the possibility that some of the elements of this document may be the subject of
18 patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any
19 patent rights identified during the development of the document will be in the Introduction and/or on
20 the ISO list of patent declarations received (see www.iso.org/patents).

21 Any trade name used in this document is information given for the convenience of users and does not
22 constitute an endorsement.

23 For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and
24 expressions related to conformity assessment, as well as information about ISO's adherence to the World
25 Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see
26 www.iso.org/iso/foreword.html.

27 This document was prepared by Technical Committee ISO/TC 121, *Anaesthetic and respiratory*
28 *equipment*, Subcommittee SC 3, *Respiratory devices and related equipment used for patient care* and
29 Technical Committee IEC/TC 62, *Electrical equipment in medical practice*, Subcommittee SC 62D, *Electric*
30 *equipment*, in collaboration with the European Committee for Standardization (CEN) Technical
31 Committee CEN/TC 215, *Respiratory and anaesthetic equipment*, in accordance with the Agreement on
32 technical cooperation between ISO and CEN (Vienna Agreement).

33 This second edition cancels and replaces the first edition (ISO 80601-2-72:2015), which has been
34 technically revised. The main changes compared to the previous edition are as follows:

35 The most significant changes are the following modifications:

- 36 — alignment with IEC 60601-1:2005+AMD1:2012+AMD2:2020, IEC 60601-1-2:2014+AMD1:2020
- 37 IEC 60601-1-6:2010+AMD1:2013+AMD2:2020, IEC 60601-1-8:2006+AMD1:2012+AMD2:2020
- 38 and IEC 60601-1-11:2015+AMD1:2020;
- 39 — reformatted according to most recent Central Secretariat editing rules;
- 40 — added requirements for display during calibration of gas monitors;
- 41 — clarified *maximum limited pressure* requirements;
- 42 — clarified high *airway pressure alarm condition* requirements;
- 43 — added requirements for *ventilator system recovery*;
- 44 — added requirements for response to an increase in set oxygen (O₂) concentration; and

45 — harmonization with ISO 20417, where appropriate.

46 A list of all parts in the ISO 80601 series and the IEC 80601 series can be found on the ISO website.

47 Any feedback or questions on this document should be directed to the user's national standards body. A
48 complete listing of these bodies can be found at www.iso.org/members.html.

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ISO 80601-2-72:2022(E)

50 **Introduction**

51 This part of ISO 80601 specifies requirements for *lung ventilators* that are intended for use in the *home*
 52 *healthcare environment* for *patients* who are dependent for *ventilation* for their life support. These
 53 *ventilators* are frequently used in locations where the *supply mains* driving the *ventilator* is not reliable.
 54 These *ventilators* are often supervised by non-healthcare personnel (*lay operators*) with varying levels of
 55 training. *Lung ventilators* conforming with this standard can be used elsewhere (i.e. in healthcare
 56 facilities).

57 In referring to the structure of this part of ISO 80601,

58 — “clause” means one of the 5 numbered divisions within the table of contents, inclusive of all
 59 subdivisions (e.g. Clause 201 includes 201.7, 201.8, etc.), and

60 — “subclause” means a numbered subdivision of a clause (e.g. 201.7, 201.8 and 201.9 are all subclauses
 61 of Clause 201).

62 References to clauses within this part of ISO 80601 are preceded by the term “Clause” followed by the
 63 clause number. References to subclauses within this particular part of ISO 80601 are by number only.

64 In this part of ISO 80601, the conjunctive “or” is used as an “inclusive or” so a statement is true if any
 65 combination of the conditions is true.

66 For the purposes of this document, the auxiliary verb:

67 — “shall” indicates a requirement;

68 — “should” indicates a recommendation;

69 — “may” indicates a permission;

70 — “can” is used to describe a possibility or capability; and

71 — “must” is used to express an external constraint.

72 Annex C contains a guide to the *marking* and labelling requirements in this document.

73 Annex D contains a summary of the *symbols* referenced in this document.

74 Requirements in this document have been decomposed so that each requirement is uniquely delineated.
 75 This is done to support automated requirements tracking.

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77 **Medical electrical equipment — Part 2-72: Particular**
 78 **requirements for basic safety and essential performance of home**
 79 **healthcare environment ventilators for ventilator-dependent**
 80 **patients**

81 **201.1 Scope, object, and related standards**

82 IEC 60601 1:2005+AMD1:2012+AMD2:2020, Clause 1 applies, except as follows:

83 **201.1.1 Scope**

84 *Replacement:*

85 NOTE 1 There is guidance or rationale for this subclause contained in Clause AA.2.

86 This part of ISO 80601 applies to the *basic safety* and *essential performance* of a *ventilator* in combination
 87 with its *accessories*, hereafter referred to as *ME equipment*:

88 — intended for use in the *home healthcare environment*;

89 NOTE 2 In the *home healthcare environment*, the *supply mains* driving the *ventilator* is often not reliable.

90 NOTE 3 Such *ventilators* can also be used in non-critical care applications of *professional healthcare facilities*.

91 — intended for use by a *lay operator*; and

92 — intended for those *patients* who need differing levels of support from *artificial ventilation* including
 93 for *ventilator-dependent patients*.

94 A *ventilator* is not considered to utilize a *physiologic closed-loop control system* unless it uses a
 95 physiological *patient* variable to adjust the *ventilation* therapy settings.

96 This part of ISO 80601 is also applicable to those *accessories* intended by their *manufacturer* to be
 97 connected to a *ventilator breathing system* or to a *ventilator* where the characteristics of those *accessories*
 98 can affect the *basic safety* or *essential performance* of the *ventilator*.

99 EXAMPLE Breathing tubes, *connectors*, water traps, expiratory valve, *humidifier*, *breathing system filter*,
 100 external electrical power source, and *distributed alarm system*.

101 NOTE 4 If a clause or subclause is specifically intended to be applicable to *ME equipment* only or to *ME systems*
 102 only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies
 103 both to *ME equipment* and to *ME systems*, as relevant.

104 *Hazards* inherent in the intended physiological function of *ME equipment* or *ME systems* within the scope
 105 of this part of ISO 80601 are not covered by specific requirements in this part of ISO 80601 except in
 106 IEC 60601-1:2005+AMD2:2020, 7.2.13 and 8.4.1.

107 NOTE 5 Additional information can be found in IEC 60601-1:2005+AMD1:2012+AMD2:2020, 4.2.

108 This part of ISO 80601 does not specify the requirements for:

- 109 — *ventilators* or *accessories* intended for critical care applications, which are given in ISO 80601-2-12;
- 110 — *ventilators* or *accessories* intended for anaesthetic applications, which are given in ISO 80601-2-13;
- 111 — *ventilators* or *accessories* intended for emergency and transport which are given in ISO 80601-2-84;

ISO 80601-2-72:2022(E)

112 — *ventilators* or *accessories* intended for homecare ventilatory support equipment (intended only to
 113 augment the *ventilation* of spontaneously breathing *patients*), which are given in ISO 80601-2-79 and
 114 ISO 80601-2-80;

115 — obstructive sleep apnoea therapy *ME equipment*, which are given in ISO 80601-2-70;

116 — high-frequency *ventilators*, which are given in ISO 80601-2-87.

117 — respiratory high-flow therapy equipment, which are given in ISO 80601-2-90;

118 NOTE 6 An ISO 80601-2-72 *ventilator* can incorporate high-flow therapy operational mode, but such a mode is
 119 only for spontaneously breathing *patients*.

120 — user-powered resuscitators, which are given in ISO 10651-4;

121 — gas-powered emergency resuscitators, which are given in ISO 10651-5;

122 — oxygen therapy constant flow *ME equipment*; and

123 — cuirass and “iron-lung” *ventilators*.

201.1.2 Object

124 *Replacement:*

126 The object of this part of ISO 80601 is to establish particular *basic safety* and *essential performance*
 127 requirements for a *ventilator*, as defined in 201.3.217, and its *accessories*.

128 *Accessories* are included because the combination of the *ventilator* and the *accessories* needs to be
 129 adequately safe. *Accessories* can have a significant impact on the *basic safety* or *essential performance* of a
 130 *ventilator*.

131 NOTE 1 This document has been prepared to address the relevant *essential principles*^[31] and labelling^[32] guidances
 132 of the International Medical Devices Regulators Forum (IMDRF) as indicated in Annex CC.

133 NOTE 2 This document has been prepared to address the relevant *essential principles of safety and performance* of
 134 ISO 16142-1:2016 as indicated in Annex DD.

135 NOTE 3 This document has been prepared to address the relevant general safety and performance requirements
 136 of European regulation (EU) 2017/745^[33] as indicated in Annex EE.

201.1.3 Collateral standards

138 *Amendment (add after existing text):*

139 This document refers to those applicable collateral standards that are listed in Clause 2 of the general
 140 standard and in 201.2 of this document.

141 NOTE The general standard is IEC 60601-1:2005+AMD1:2012+AMD2:2020.

142 IEC 60601-1-2:2014+AMD1:2020, IEC 60601-1-6:2010+AMD1:2013+AMD2:2020,
 143 IEC 60601-1-8:2016+AMD1:2012+AMD2:2020 and IEC 60601-1-11:2015+AMD1:2020 apply as
 144 modified in Clauses 202, 206, 208 and 211 respectively. IEC 60601-1-3, IEC 60601-1-9 and
 145 IEC 60601-1-12 do not apply.

201.1.4 Particular standards

147 *Replacement:*

148 In the IEC 60601 series, particular standards can modify, replace, or delete requirements contained in
 149 the general standard, including the collateral standards, as appropriate for the particular *ME equipment*
 150 under consideration, and may add other *basic safety* or *essential performance* requirements.

151 A requirement of a particular standard takes priority over IEC 60601-1:2005+AMD1:2012+AMD2:2020
 152 or the collateral standards.

153 For brevity, IEC 60601-1:2005+AMD1:2012+AMD2:2020 is referred to in this part of ISO 80601 as the
 154 general standard. Collateral standards are referred to by their document number.

155 The numbering of clauses and subclauses of this part of ISO 80601 corresponds to those of the general
 156 standard with the prefix “201” (e.g. 201.1 in this part of ISO 80601 addresses the content of Clause 1 of
 157 the general standard) or applicable collateral standard with the prefix “2xx” where xx is the final digits of
 158 the collateral standard document number (e.g. 202.4 addresses the content of IEC 60601-1-2, Clause 4
 159 collateral standard, 208.4 addresses the content of IEC 60601-1-8, Clause 4 collateral standard, etc.). The
 160 changes to the text of the general standard are specified by the use of the following words:

161 — “Replacement” means that the clause or subclause of IEC 60601-1:2005+AMD1:2012+AMD2:2020
 162 or the applicable collateral standard is replaced completely by the text of this part of ISO 80601.

163 — “Addition” means that the text of this particular standard is additional to the requirements of
 164 IEC 60601-1:2005+AMD1:2012+AMD2:2020 or the applicable collateral standard.

165 — “Amendment” means that the clause or subclause of IEC 60601-1:2005+AMD1:2012+AMD2:2020 or
 166 the applicable collateral standard is amended as indicated by the text of this part of ISO 80601.

167 Subclauses or figures that are additional to those of the general standard are numbered starting from
 168 201.101. However, due to the fact that definitions in the general standard are numbered 3.1 through
 169 3.154, additional definitions in this document are numbered beginning from 201.3.201. Additional
 170 annexes are lettered AA, BB, etc., and additional items aa), bb), etc.

171 Subclauses or figures that are additional to those of a collateral standard are numbered starting from 20x,
 172 where “x” is the number of the collateral standard, e.g. 202 for IEC 60601-1-2, 203 for IEC 60601-1-3, etc.

173 The term “this standard” is used to make reference to IEC 60601-1:2005+AMD1:2012+AMD2:2020, any
 174 applicable collateral standards, and this part of ISO 80601 taken together.

175 Where there is no corresponding clause or subclause in this part of ISO 80601, the clause or subclause of
 176 IEC 60601-1:2005+AMD1:2012+AMD2:2020 or the applicable collateral standard, although possibly not
 177 relevant, applies without modification; where it is intended that any part of
 178 IEC 60601-1:2005+AMD1:2012+AMD2:2020 or the applicable collateral standard, although possibly
 179 relevant, is not to be applied, a statement to that effect is given in this part of ISO 80601.

180 201.2 Normative references

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

184 IEC 60601-1:2005+AMD1:2012+AMD2:2020, Clause 2 applies, except as follows:

185 *Replacement:*

186 ISO 15223-1:2021, *Medical devices — Symbols to be used with medical device labels, labelling and*
 187 *information to be supplied — Part 1: General requirements*

188 IEC 61672-1:2013, *Electroacoustics — Sound level meters — Part 1: Specifications*

189 *Addition:*

ISO 80601-2-72:2022(E)

- 190 ISO 32:1977, *Gas cylinders for medical use — Marking for identification of content*
- 191 ISO 3744:2010, *Acoustics — Determination of sound power levels and sound energy levels of noise sources*
192 *using sound pressure — Engineering methods for an essentially free field over a reflecting plane*
- 193 ISO 4871:1996, *Acoustics — Declaration and verification of noise emission values of machinery and*
194 *equipment*
- 195 ISO 5356-1:2015, *Anaesthetic and respiratory equipment — Conical connectors — Part 1: Cones and*
196 *sockets*
- 197 ISO 5359:2008+AMD1:2017, *Low-pressure hose assemblies for use with medical gases*
- 198 ISO 5367:—¹, *Breathing tubes intended for use with anaesthetic apparatus and ventilators*
- 199 ISO 7396-1:2016+AMD1:2017, *Medical gas pipeline systems — Part 1: Pipeline systems for compressed*
200 *medical gases and vacuum*
- 201 ISO 9360-1:2000, *Anaesthetic and respiratory equipment — Heat and moisture exchangers (HMEs) for*
202 *humidifying respired gases in humans — Part 1: HMEs for use with minimum tidal volumes of 250 ml*
- 203 ISO 9360-2:2001, *Anaesthetic and respiratory equipment — Heat and moisture exchangers (HMEs) for*
204 *humidifying respired gases in humans — Part 2: HMEs for use with tracheostomized patients having*
205 *minimum tidal volumes of 250 ml*
- 206 ISO 14937:2009, *Sterilization of health care products — General requirements for characterization of a*
207 *sterilizing agent and the development, validation and routine control of a sterilization process for medical*
208 *devices*
- 209 ISO 17664-1:2021, *Processing of health care products — Information to be provided by the medical device*
210 *manufacturer for the processing of medical devices — Part 1: Critical and semi-critical medical devices*
- 211 ISO 17664-2:2021, *Processing of health care products — Information to be provided by the medical device*
212 *manufacturer for the processing of medical devices — Part 2: Non-critical medical devices*
- 213 ISO 18562-1:2017, *Biocompatibility evaluation of breathing gas pathways in healthcare applications —*
214 *Part 1: Evaluation and testing within a risk management process*
- 215 ISO 20417:2021, *Medical devices — Information to be supplied by the manufacturer*
- 216 ISO 23328-1:2003, *Breathing system filters for anaesthetic and respiratory use — Part 1: Salt test method*
217 *to assess filtration performance*
- 218 ISO 23328-2:2002, *Breathing system filters for anaesthetic and respiratory use — Part 2: Non-filtration*
219 *aspects*
- 220 ISO 80369-1:2021, *Small-bore connectors for liquids and gases in healthcare applications — Part 1:*
221 *General requirements*
- 222 ISO 80601-2-55:2018, *Medical electrical equipment — Part 2-55: Particular requirements for the basic*
223 *safety and essential performance of respiratory gas monitors*
- 224 ISO 80601-2-74:2021, *Medical electrical equipment — Part 2-74: Particular requirements for basic safety*
225 *and essential performance of respiratory humidifying equipment*
- 226 IEC 60601-1:2005+AMD1:2012+AMD2:2020, *Medical electrical equipment — Part 1: General*
227 *requirements for basic safety and essential performance*
- 228 IEC 62304:2006+AMD1:2015, *Medical device software - Software life cycle processes*

¹ Under preparation. Stage at the time of publication: ISO/FDIS 5367:2022.

229 IEC 62570:2014, *Standard practice for marking medical devices and other items for safety in the magnetic*
 230 *resonance environment*

231 IEC 81001-5-1:2021, *Health software and health IT systems safety, effectiveness and security — Part 5-1:*
 232 *Security — Activities in the product life cycle*

233 IEC Guide 115:2021, *Application of uncertainty of measurement to conformity assessment activities in the*
 234 *electrotechnical sector*

235 **201.3 Terms and definitions**

236 For the purposes of this document, the terms and definitions given in
 237 IEC 60601-1:2005+AMD1:2012+AMD2:2020, and the following apply.

238 ISO and IEC maintain terminological databases for use in standardization at the following addresses:

239 — ISO Online browsing platform: available at <https://www.iso.org/obp>

240 — IEC Electropedia: available at <http://www.electropedia.org/>

241 IEC 60601-1:2005+AMD1:2012+AMD2:2020, Clause 3 applies, except as follows:

242 *Addition:*

243 **201.3.201**

244 **accompanying information**

245 information accompanying or *marked* on a medical device or *accessory* for the user or those accountable
 246 for the installation, use, *processing*, maintenance, decommissioning and disposal of the medical device or
 247 *accessory*, particularly regarding safe use

248 Note 1 to entry: The *accompanying information* shall be regarded as part of the medical device or *accessory*.

249 Note 2 to entry: The *accompanying information* can consist of the label, *marking*, *instructions for use*, *technical*
 250 *description*, installation manual, quick reference guide, etc.

251 Note 3 to entry: *Accompanying information* is not necessarily a written or printed document but could involve
 252 auditory, visual, or tactile materials and multiple media types (e.g., CD/DVD-ROM, USB stick, website).

253 [SOURCE: ISO 20417:2021, 3.2, modified — deleted note 4.]

254 **201.3.202**

255 **acknowledged**

256 state of an *alarm system* initiated by *operator* action, where the auditory *alarm signal* associated with a
 257 currently active *alarm condition* is inactivated until the *alarm condition* no longer exists or until a
 258 predetermined time interval has elapsed

259 Note 1 to entry: *Acknowledged* only affects *alarm signals* that are active at the time of the *operator* action.

260 [SOURCE: IEC 60601-1-8:2006+AMD1:2012+AMD2:2020, 3.37]

261 **201.3.203**

262 **airway device**

263 device intended to provide a *gas pathway* to and from the *patient's* airway

264 [SOURCE: ISO 4135:2021, 3.8.1.2]

ISO 80601-2-72:2022(E)

265 **201.3.204**266 **airway pressure**267 **P_{aw}**268 pressure at the *patient-connection port* or at the *distal outlet* of the equipment where there is no *patient-*
269 *connection port*270 Note 1 to entry: The *airway pressure* can be derived from pressure measurements made anywhere within the
271 equipment.

272 [SOURCE: ISO 4135:2021, 3.1.4.41.1]

273 **201.3.205**274 **alarm condition delay**275 time from the occurrence of a triggering event either in the *patient*, for *physiological alarm conditions*, or
276 in the equipment, for *technical alarm conditions*, to when the *alarm system* determines that an *alarm*
277 *condition* exists

278 [SOURCE: IEC 60601-1-8:2006+AMD1:2012+AMD2:2020, 3.2]

279 **201.3.206**280 **alarm limit**281 threshold used by an *alarm system* to determine an *alarm condition*

282 [SOURCE: IEC 60601-1-8:2006+AMD1:2012+AMD2:2020, 3.3]

283 **201.3.207**284 **alarm off**285 state of indefinite duration in which an *alarm system* or part of an *alarm system* does not generate *alarm*
286 *signals*

287 [SOURCE: IEC 60601-1-8:2006+AMD1:2012+AMD2:2020, 3.4]

288 **201.3.208**289 **alarm paused**290 state of limited duration in which the *alarm system* or part of the *alarm system* does not generate *alarm*
291 *signals*

292 [SOURCE: IEC 60601-1-8:2006+AMD1:2012+AMD2:2020, 3.5]

293 **201.3.209**294 **alarm setting**295 *alarm system* configuration, including but not limited to:

- 296 – *alarm limits*;
- 297 – the characteristics of any *alarm signal* inactivation states; and
- 298 – the values of variables or parameters that determine the function of the *alarm system*

299 Note 1 to entry: Some algorithmically-determined *alarm settings* can require time to be determined or re-
300 determined.

301 [SOURCE: IEC 60601-1-8:2006+AMD1:2012+AMD2:2020, 3.8]

302 **201.3.210**303 **alarm signal generation delay**304 time from the onset of an *alarm condition* to the generation of its *alarm signal(s)*

305 [SOURCE: IEC 60601-1-8:2006+AMD1:2012+AMD2:2020, 3.10]

306 **201.3.211**

307 **artificial ventilation**

308 intermittent elevation of the pressure in the *patient's airway* relative to that in the *lungs* by external
309 means with the intention of augmenting, or totally controlling, the *ventilation* of a *patient*

310 EXAMPLE Means used to provide *artificial ventilation* are manual resuscitation; mouth-to-mouth
311 resuscitation; automatic *ventilation*; mechanical *ventilation*.

312 Note 1 to entry: Common classifications of areas of application of *artificial ventilation* are: emergency; transport;
313 home-care; anaesthesia; critical care; rehabilitation.

314 Note 2 to entry: Classifications used to denote means used for *artificial ventilation* include: positive-pressure;
315 negative-pressure; gas-powered; *operator*-powered; electrically-powered.

316 Note 3 to entry: Negative-pressure *ventilation* elevates the relative pressure in the airway by intermittently
317 lowering the pressure in the *lungs*.

318 [SOURCE: ISO 19223:2019, 3.1.10]

319 **201.3.212**

320 **attack**

321 attempt to destroy, expose, alter, disable, steal or gain unauthorized access to or make unauthorized use
322 of an asset

323 [SOURCE: IEC 81001-5-1:2021, 3.5]

324 **201.3.213**

325 **audio off**

326 state of indefinite duration in which the *alarm system* or part of the *alarm system* does not generate an
327 auditory *alarm signal*

328 [SOURCE: IEC 60601-1-8:2006+AMD1:2012+AMD2:2020, 3.12]

329 **201.3.214**

330 **audio paused**

331 state of limited duration in which the *alarm system* or part of the *alarm system* does not generate an
332 auditory *alarm signal*

333 [SOURCE: IEC 60601-1-8:2006+AMD1:2012+AMD2:2020, 3.13]

334 **201.3.215**

335 **BAP**

336 quantity by which the baseline *airway pressure* is set to be positively offset from the ambient pressure

337 [SOURCE: ISO 19223:2019, 3.10.2, modified — deleted notes.]

338 **201.3.216**

339 **biocompatibility**

340 ability to be in contact with a living system without producing an unacceptable adverse effect

341 Note 1 to entry: Medical devices may produce some level of adverse effect, but that level may be determined to be
342 acceptable when considering the benefits provided by the medical device.