



BSI Standards Publication

Dentistry — Mobile dental units and dental patient chairs

Part 1: General requirements

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National foreword

This British Standard is the UK implementation of EN ISO 5467-1:2022. It is identical to ISO 5467-1:2022. It supersedes BS EN ISO 7494-1:2018, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CH/106/4, Dental Instruments and Equipment.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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English Version

Dentistry - Mobile dental units and dental patient chairs - Part 1: General requirements (ISO 5467-1:2022)

Médecine bucco-dentaire - Units dentaires et fauteuils
dentaires patient mobiles - Partie 1: Exigences
générales (ISO 5467-1:2022)

Zahnheilkunde - Mobile Behandlungseinheiten und
Patientenliegen - Teil 1: Allgemeine Anforderungen
(ISO 5467-1:2022)

This European Standard was approved by CEN on 6 September 2022.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 5467-1:2022) has been prepared by Technical Committee ISO/TC 106 "Dentistry" in collaboration with Technical Committee CEN/TC 55 "Dentistry" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2023, and conflicting national standards shall be withdrawn at the latest by April 2023.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 5467-1:2022 has been approved by CEN as EN ISO 5467-1:2022 without any modification.

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Foreword

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

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

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

This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 6, *Dental equipment*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 55, *Dentistry*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

A list of all parts in the ISO 5467 series can be found on the ISO website.

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

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Introduction

This document was developed with consideration of ISO 7494-1:2018 to be applicable to mobile dental units and dental patient chairs by

- limiting the scope to mobile dental units and dental patient chairs,
- providing instability and rough handling requirements in [5.2.1.4](#) and [5.2.1.5](#),
- providing a requirement for locking in position in [5.2.1.6](#),
- providing a requirement for dimension in [5.2.1.7](#), and
- providing a requirement for impact to [5.2.1.8](#).

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Dentistry — Mobile dental units and dental patient chairs —

Part 1: General requirements

1 Scope

This document specifies the requirements and test methods for mobile dental units and dental patient chairs that is intended to be used within a permanent healthcare facility regardless of whether they are or not electrically powered.

This document also specifies the requirements for the instructions for use, for the technical description, for marking and for packaging.

Operator's stools, stationary dental equipment, other types of mobile dental equipment, portable dental equipment and operating lights are not in the scope of this document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1942, *Dentistry — Vocabulary*

ISO 4073, *Dentistry — Information system on the location of dental equipment in the working area of the oral health care provider*

ISO 5467-2, *Dentistry — Mobile dental units and dental patient chairs — Part 2: Air, water, suction and wastewater systems*

ISO 7494-1:2018, *Dentistry — Stationary dental units and dental patient chairs — Part 1: General requirements*

ISO 23402-1:2020, *Dentistry — Portable dental equipment for use in non-permanent healthcare environment — Part 1: General requirements*

IEC 60601-1:2005+AMD1:2012+AMD2:2020, *Medical electrical equipment — Part 1: General requirements for basic safety and essential performance*

IEC 80601-2-60:2019, *Medical electrical equipment — Part 2-60: Particular requirements for the basic safety and essential performance of dental equipment*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942, ISO 4073, ISO 7494-1, ISO 23402-1, IEC 60601-1, IEC 80601-2-60 and the following apply.

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

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>