INTERNATIONAL STANDARD

ISO 5467-1

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Dentistry — Mobile dental units and dental patient chairs —

Part 1: **General requirements**

Médecine bucco-dentaire — Units dentaires et fauteuils dentaires patient mobiles —

Partie 1: Exigences générales





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Foreword

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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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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.

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,
- ament fo, providing a requirement for dimension in 5.2.1.7, and
- providing a requirement for impact to <u>5.2.1.8</u>.

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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/