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

*Art dentaire — Système d'informations relatif à la localisation du
matériel dentaire sur le poste de travail du prestataire de soins bucco-
dentaires*

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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.

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 4073 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 6, *Dental equipment*.

This second edition cancels and replaces the first edition (ISO 4073:1980), which has been technically revised. The following changes have been made:

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- a) deletion of annex with the recommendation for a paper identification card;
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 - b) addition of definitions for new devices or improved systems;
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 - c) deletion of symbols for location of dentist's or dental assistant's instrumentation.

Introduction

The specification of an information system on the location of dental equipment in the working area of the oral health care provider is of basic importance for an international understanding and communication of the allocation of the dental equipment.

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

1 Scope

This International Standard specifies an information system for the location of items of dental equipment that are used in the working area of the team of the oral health care provider where examination, treatment and other clinical procedures, with the patient directly involved, are carried out.

The identification system provides the means of giving general information about the presence of items and of describing relevant characteristics concerning dimensional flexibility and adaptability of the items and parts of their accessories.

In addition, this International Standard provides definitions for general terms used in the area of dental equipment.

2 Normative references

The following referenced documents are indispensable for the application 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*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942 and the following apply.

3.1

dental office

dental surgery

facility where patients are received and treated by the dental personnel

3.2

oral health care provider

dental operator

person who is performing a treatment procedure on a patient

EXAMPLE Dentist, hygienist.

3.3

chairside assistant

person supporting the dental operator in the working area

3.4
working area of the oral healthcare provider
treatment area of the oral health care provider
working space of the oral health care provider
area organized around the oral health care provider and equipped for positioning and treatment of the patient

3.5
dental equipment
furniture, machines, apparatus and accessories thereto, specially made for use in the practice of dentistry and/or its associated procedures

3.6
dental X-ray equipment
radiographic equipment designed and used in dentistry for diagnostic purposes

3.7
dental unit
combination of interconnected dental equipment and dental instruments constituting a functional assembly for use in the provision of dental treatment

3.8
patient chair
device designed to support and position the patient for treatment and therefore provided with a range of movements

3.9
operator stool
movable seat, adjustable in height, which supports the body of the oral health care provider or of the chairside assistant in a seated position

3.10
operating light
device designed for use by an operator for illuminating the oral cavity

3.11
powered polymerization activator
device producing light that is applied directly in the oral cavity of a patient to polymerizable dental materials

3.12
suction system
low and high volume aspirating units and the corresponding hoses that are connected to a remote suction machine to enable an air flow designed to remove spray, liquids and solids from the mouth of the dental patient during treatment

4 Information system on the location of items of dental equipment

The information system on the location of items of dental equipment in the working area of the oral health care provider consists of a series of concentric circles, marked A, B, C, D, starting from the centre. The centre refers to the mouth of the patient, who is sitting in the patient chair. The radial sectors are symbolized by numbers 1 to 12 on an analogue watch dial (see Figure 1).

Dimensions in metres

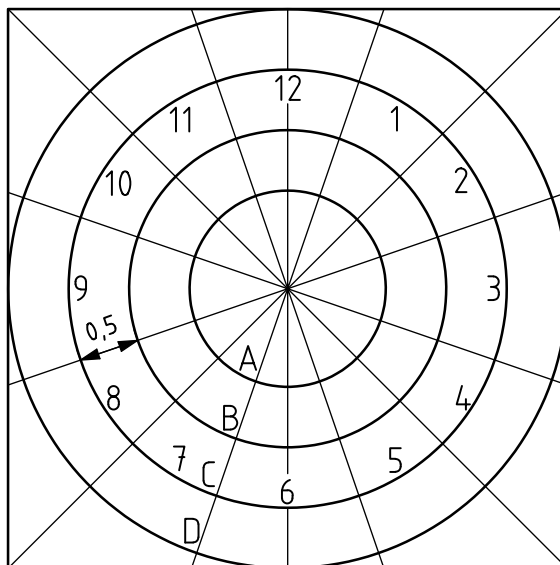


Figure 1 — Information system on the location of items of dental equipment

Four concentric circles around the centre at a distance of 0,5 m each give the means of clearly locating the exact position of the different items. The circles are identified by the letters A, B, C and D.

The location of the items of dental equipment as well as an indication of the working area of the oral health care provider may be given in the reference plan by a sketch.

EXAMPLE 1 A8 = item is at a distance of less than 0,5 m at position 8 o'clock.

EXAMPLE 2 D3 = item is at a distance of between 1,5 m and 2 m at position 3 o'clock.

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