ICS 11.060.01 SLOVENSKÁ TECHNICKÁ NORMA December 2018

| STN | **Stomatológia**<br>**Interoperabilita CAD/CAM systémov (ISO 18618: 2018)** | **STN**<br>**EN ISO 18618**<br><br>85 6388 |
|---|---|---|

Dentistry - Interoperability of CAD/CAM systems (ISO 18618:2018)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/18

Obsahuje: EN ISO 18618:2018, ISO 18618:2018

**127492**

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2018
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii.

# EUROPEAN STANDARD
# NORME EUROPÉENNE
# EUROPÄISCHE NORM

# EN ISO 18618

June 2018

ICS 11.060.01

English Version

## Dentistry - Interoperability of CAD/CAM systems (ISO 18618:2018)

Médecine bucco-dentaire - Interopérabilité des systèmes de CFAO (ISO 18618:2018)

Zahnheilkunde - Interoperabilität der CAD/CAM-Systeme (ISO 18618:2018)

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Ref. No. EN ISO 18618:2018 E

**EN ISO 18618:2018 (E)**

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## European foreword

This document (EN ISO 18618:2018) 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.

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INTERNATIONAL STANDARD

**ISO 18618**

First edition
2018-05

# Dentistry — Interoperability of CAD/CAM systems

*Médecine bucco-dentaire — Interopérabilité des systèmes de CFAO*

Reference number
ISO 18618:2018(E)

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CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
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Published in Switzerland

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# Foreword

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This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 9, *CAD/CAM Systems.*


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# Introduction

Manufacturers of dental CAD/CAM systems differ in how they exchange manufacturing information and three dimensional data. This causes difficulty in data processing, design processes, and manufacturing processes for users of those systems. In order to overcome these interoperability issues, this document has been prepared to facilitate open interoperability between CAD/CAM systems in dentistry.

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**INTERNATIONAL STANDARD** **ISO 18618:2018(E)**

# Dentistry — Interoperability of CAD/CAM systems

## 1 Scope

This document specifies an extensible markup language (XML) format to facilitate the transfer of dental case data and CAD/CAM data between software systems.

## 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 3166-1, *Codes for the representation of names of countries and their subdivisions — Part 1: Country codes*

ISO 3950, *Dentistry — Designation system for teeth and areas of the oral cavity*

ISO 16443, *Dentistry — Vocabulary for dental implants systems and related procedure*

ISO 18739, *Dentistry — Vocabulary of process chain for CAD/CAM systems*

ISO 19429:2015, *Dentistry — Designation system for dental implants' after 'ISO 18739, Dentistry — Vocabulary of process chain for CAD/CAM systems'*

W3C — Extensible Markup Language (XML) 1.0 (Fifth Edition), November 2008

W3C XML Schema Definition Language (XSD) 1.1, 2012

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