



SLOVENSKI STANDARD

SIST EN ISO/IEEE 11073-10404:2023

01-junij-2023

Nadomešča:

SIST EN ISO 11073-10404:2011

Zdravstvena informatika - Interoperabilnost naprav - 10404. del: Komunikacija osebnih medicinskih naprav - Specialne naprave - Pulzni oksimeter (ISO/IEEE 11073-10404:2022)

Health informatics - Device interoperability - Part 10404: Personal health device communication - Device specialization - Pulse oximeter (ISO/IEEE 11073-10404:2022)

Medizinische Informatik - Kommunikation von Geräten für die persönliche Gesundheit - Teil 10404: Gerätespezifikation - Pulsoximeter (ISO/IEEE 11073-10404:2022)

Informatique de santé - Interopérabilité des dispositifs - Partie 10404: Spécialisation des dispositifs - Oxymètre de pouls (ISO/IEEE 11073-10404:2022)

Ta slovenski standard je istoveten z: EN ISO/IEEE 11073-10404:2022

ICS:

11.040.55	Diagnostična oprema	Diagnostic equipment
35.240.80	Uporabniške rešitve IT v zdravstveni tehniki	IT applications in health care technology

SIST EN ISO/IEEE 11073-10404:2023 en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

**EN ISO/IEEE 11073-
10404**

December 2022

ICS 35.240.80

Supersedes EN ISO 11073-10404:2011

English Version

**Health informatics - Device interoperability - Part 10404:
Personal health device communication - Device
specialization - Pulse oximeter (ISO/IEEE 11073-
10404:2022)**

Informatique de santé - Interopérabilité des dispositifs
- Partie 10404: Communication entre dispositifs de
santé personnels - Spécialisation des dispositifs -
Oxymètre de pouls (ISO/IEEE 11073-10404:2022)

Medizinische Informatik - Kommunikation von Geräten
für die persönliche Gesundheit - Teil 10404:
Gerätespezifikation - Pulsoximeter (ISO/IEEE 11073-
10404:2022)

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European foreword

This document (EN ISO/IEEE 11073-10404:2022) has been prepared by Technical Committee ISO/TC 215 "Health informatics" in collaboration with Technical Committee CEN/TC 251 "Health informatics" the secretariat of which is held by NEN.

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INTERNATIONAL ISO/IEEE STANDARD 11073-10404

Second edition
2022-12

Health informatics — Device interoperability —

Part 10404:

Personal health device communication — Device specialization — Pulse oximeter

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Informatique de santé — Interopérabilité des dispositifs —

*Partie 10404: Communication entre dispositifs de santé personnels —
Spécialisation des dispositifs — Oxymètre de pouls*

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Reference number
ISO/IEEE 11073-10404:2022(E)

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Email: stds.ipr@ieee.org
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Published in Switzerland

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This second edition cancels and replaces the first edition (ISO/IEEE 11073-10404:2010), which has been technically revised.

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IEEE Std 11073-10404™-2020
(Revision of IEEE Std 11073-10404-2008)

Health informatics—Personal health device communication

Part 10404: Device specialization— Pulse oximeter

Developed by the

IEEE 11073™ Standards Committee

of the

IEEE Engineering in Medicine and Biology Society

Approved 30 January 2020

IEEE SA Standards Board

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ISO/IEEE 11073-10404:2022(E)

Abstract: Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth pulse oximetry devices and compute engines (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth pulse oximeters.

Keywords: IEEE 11073-10404™, medical device communication, personal health devices, PHD, pulse oximeter

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The Institute of Electrical and Electronics Engineers, Inc.
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PDF: ISBN 978-1-5044-6458-1 STD24061
Print: ISBN 978-1-5044-6459-8 STDPD24061

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