



SLOVENSKI STANDARD

SIST EN ISO/IEEE 11073-10407:2023

01-maj-2023

Nadomešča:

SIST EN ISO 11073-10407:2011

Zdravstvena informatika - Interoperabilnost naprav - 10407. del: Komunikacija osebnih medicinskih naprav - Specialne naprave - Kontrolna naprava za merjenje krvnega tlaka (ISO/IEEE 11073-10407:2022)

Health informatics - Device interoperability - Part 10407: Personal health device communication - Device specialization - Blood pressure monitor (ISO/IEEE 11073-10407:2022)

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Medizinische Informatik - Kommunikation von Geräten für die persönliche Gesundheit - Teil 10407: Gerätespezifikation - Blutdruckmonitor (ISO/IEEE 11073-10407:2022)

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Informatique de santé - Interopérabilité des dispositifs - Partie 10407: Communication entre dispositifs de santé personnels - Spécialisation des dispositifs - Moniteur de pression sanguine (ISO/IEEE 11073-10407:2022)

Ta slovenski standard je istoveten z: EN ISO/IEEE 11073-10407:2022

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 11073-10407:2023 en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

**EN ISO/IEEE 11073-
10407**

December 2022

ICS 35.240.80

Supersedes EN ISO 11073-10407:2011

English Version

**Health informatics - Device interoperability - Part 10407:
Personal health device communication - Device
specialization - Blood pressure monitor (ISO/IEEE 11073-
10407:2022)**

Informatique de santé - Interopérabilité des dispositifs
- Partie 10407: Communication entre dispositifs de
santé personnels - Spécialisation des dispositifs -
Moniteur de pression sanguine (ISO/IEEE 11073-
10407:2022)

Medizinische Informatik - Kommunikation von Geräten
für die persönliche Gesundheit - Teil 10407:
Gerätespezifikation - Blutdruckmonitor (ISO/IEEE
11073-10407:2022)

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European foreword

This document (EN ISO/IEEE 11073-10407:2022) 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.

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of an identical text or by endorsement, at the latest by June 2023, and conflicting national standards shall be withdrawn at the latest by June 2023.

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INTERNATIONAL ISO/IEEE STANDARD 11073-10407

Second edition
2022-12

Health informatics — Device interoperability —

Part 10407:

Personal health device communication — Device specialization — Blood pressure monitor

Informatique de santé — Interopérabilité des dispositifs —

*Partie 10407: Communication entre dispositifs de santé personnels —
Spécialisation des dispositifs — Moniteur de pression sanguine*

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Reference number
ISO/IEEE 11073-10407:2022(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 11073-10407:2010), which has been technically revised.

A list of all parts in the ISO/IEEE 11073 series can be found on the ISO website.

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IEEE Std 11073-10407™-2020
(Revision of IEEE Std 11073-10407-2008)

Health informatics—Personal health device communication

Part 10407: Device specialization— Blood pressure monitor

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 11073-10407:2022(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 blood pressure monitor devices and compute engines (e.g., cell phones, personal computers, personal health appliances, and 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 blood pressure monitors.

Keywords: blood pressure monitor, IEEE 11073-10407™, medical device communication, personal health devices

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The Institute of Electrical and Electronics Engineers, Inc.
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PDF: ISBN 978-1-5044-6460-4 STD24062
Print: ISBN 978-1-5044-6461-1 STDPD24062

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