

SLOVENSKI STANDARD

oSIST prEN ISO/IEEE 11073-10408:2022

01-september-2022

Zdravstvena informatika - Interoperabilnost naprav - 10408. del: Komunikacija osebnih medicinskih naprav - Specialne naprave - Termometer (ISO/IEEE/FDIS 11073-10408:2022)

Health informatics - Device interoperability - Part 10408: Personal health device communication - Device specialization - Thermometer (ISO/IEEE/FDIS 11073-10408:2022)

Medizinische Informatik - Kommunikation von Geräten für die persönliche Gesundheit - Teil 10408: Gerätespezifikation - Thermometer (ISO/IEEE/FDIS 11073-10408:2022)

Informatique de santé - Interopérabilité des dispositifs - Partie 10408: Communication entre dispositifs de santé personnels - Spécialisation des dispositifs - Thermomètre (ISO/IEEE/FDIS 11073-10408:2022)

Ta slovenski standard je istoveten z: prEN ISO/IEEE 11073-10408

ICS:

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

oSIST prEN ISO/IEEE 11073-10408:2022 en,fr,de

FINAL
DRAFT

INTERNATIONAL
STANDARD

ISO/IEEE
FDIS
11073-10408

ISO/TC 215

Secretariat: ANSI

Voting begins on:
2022-06-16

Voting terminates on:
2022-11-03

Health informatics — Device interoperability —

Part 10408: Personal health device communication — Device specialization — Thermometer

Informatique de santé — Interopérabilité des dispositifs —

*Partie 10408: Communication entre dispositifs de santé personnels —
Spécialisation des dispositifs — Thermomètre*

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Institute of Electrical and Electronics Engineers, Inc
3 Park Avenue, New York
NY 10016-5997, USA

Email: stds.ipr@ieee.org
Website: www.ieee.org

Published in Switzerland

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This second edition cancels and replaces the first edition (ISO/IEEE 11073-10408:2010), which has been technically revised.

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IEEE Std 11073-10408™-2019
(Revision of IEEE Std 11073-10408-2008)

Health informatics—Personal health device communication

Part 10408: Device specialization— Thermometer

Developed by the

IEEE 11073™ Standards Committee

of the

IEEE Engineering in Medicine and Biology Society

Approved 7 November 2019

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ISO/IEEE 11073-10408:2022(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 thermometer 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 thermometer devices.

Keywords: IEEE 11073-10408™, medical device communication, personal health devices, thermometer

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Michael J. Kirwan, *Co-chair*

| | | |
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| | | |
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 Yao Wang
 Yi Wang
 Steve Warren
 Fujio Watanabe
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 Mike Weng
 Yuefeng Weng

Kathleen Wible
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| This introduction is not part of IEEE Std 11073-10408-2019, Health informatics—Personal health device communication—Part 10408: Device specialization—Thermometer. |
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ISO/IEEE 11073 standards enable communication between medical devices and external computer systems. This document uses the optimized framework created in IEEE Std 11073-20601^a and describes a specific, interoperable communication approach for thermometers. These standards align with and draw on the existing clinically focused standards to provide support for communication of data from clinical or personal health devices.

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^a Information on references can be found in Clause 2.