SLOVENSKI STANDARD
SIST EN ISO/IEEE 11073-10420:2023

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Nadomešča:
SIST EN ISO 11073-10420:2013

Zdravstvena informatika - Interoperabilnost naprav - 10420. del: Komunikacija osebnih medicinskih naprav - Specialne naprave - Analizator telesne sestave (ISO/IEEE 11073-10420:2022)

Health informatics - Device interoperability - Part 10420: Personal health device communication - Device specialization - Body composition analyzer (ISO/IEEE 11073-10420:2022)

Medizinische Informatik - Kommunikation von Geräten für die persönliche Gesundheit - Teil 10420: Gerätespezifikation - Analysegerät für die Zusammensetzung des Körpers (ISO/IEEE 11073-10420:2022)

Informatique de santé - Interopérabilité des dispositifs - Partie 10420: Communication entre dispositifs de santé personnels - Spécialisation de dispositif - Analyseur de composition corporelle (ISO/IEEE 11073-10420:2022)

Ta slovenski standard je istoveten z: **EN ISO/IEEE 11073-10420:2022**

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 11073-10420:2023 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO/IEEE 11073-10420

December 2022

ICS 35.240.80

Supersedes EN ISO 11073-10420:2012

English Version

Health informatics - Device interoperability - Part 10420: Personal health device communication - Device specialization - Body composition analyzer (ISO/IEEE 11073-10420:2022)

Informatique de santé - Interopérabilité des dispositifs - Partie 10420: Communication entre dispositifs de santé personnels - Spécialisation de dispositif - Analyseur de composition corporelle (ISO/IEEE 11073-10420:2022)

Medizinische Informatik - Kommunikation von Geräten für die persönliche Gesundheit - Teil 10420: Gerätespezifikation - Analysegerät für die Zusammensetzung des Körpers (ISO/IEEE 11073-10420:2022)

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Contents

Page

European foreword

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INTERNATIONAL STANDARD **ISO/IEEE 11073-10420**

Second edition
2022-12

Health informatics — Device interoperability —

Part 10420: Personal health device communication — Device specialization — Body composition analyzer

Informatique de santé — Interopérabilité des dispositifs —

Partie 10420: Communication entre dispositifs de santé personnels — Spécialisation de dispositif — Analyseur de composition corporelle

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IEEE Std 11073-10420™-2020
(Revision of IEEE Std 11073-10420-2010)

Health informatics—Device interoperability

Part 10420: Personal health device communication—Device specialization— Body composition analyzer

Developed by the

IEEE 11073™ Standards Committee
of the
IEEE Engineering in Medicine and Biology Society

Approved 4 June 2020

IEEE SA Standards Board

Abstract: Within the context of the ISO/IEEE 11073 family of standards for device communication, a normative definition of the communication between personal body composition analyzer agents and managers (e.g., cell phones, personal computers, personal health appliances, set-top boxes) is established by this standard 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 to restrict optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth body composition analyzers. In this context, the phrase “body composition analyzer” is used broadly to cover analyzing devices that measure body impedances and compute the various body components including body fat from the impedance.

Keywords: body composition analyzer, IEEE 11073-10420™, medical device communication, personal health devices

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