



SLOVENSKI STANDARD
SIST EN ISO 11073-00103:2017
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**Zdravstvena informatika - Komunikacija osebnih medicinskih naprav - 00103. del:
Pregled (ISO/IEEE 11073-00103:2015)**

Health informatics - Personal health device communication - Part 00103: Overview
(ISO/IEEE 11073-00103:2015)

Medizinische Informatik - Kommunikation von Geräten für die persönliche Gesundheit-
Teil 00103: Überblick (ISO/IEEE 11073-00103:2015)

Informatique de santé - Communication entre dispositifs de santé personnels - Partie
00103: Aperçu général (ISO/IEEE 11073-00103:2015)

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ICS:

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

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EUROPEAN STANDARD

EN ISO 11073-00103

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2017

ICS 11.040.55; 35.240.80

English Version

Health informatics - Personal health device communication - Part 00103: Overview (ISO/IEEE 11073- 00103:2015)

Informatique de santé - Communication entre
dispositifs de santé personnels - Partie 00103: Aperçu
général (ISO/IEEE 11073-00103:2015)

Medizinische Informatik - Kommunikation von Geräten
für die persönliche Gesundheit- Teil 00103: Überblick
(ISO/IEEE 11073-00103:2015)

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European foreword

The text of ISO/IEEE 11073-00103:2015 has been prepared by Technical Committee ISO/TC 215 “Health informatics” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 11073-00103:2017 by 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of an identical text or by endorsement, at the latest by August 2017, and conflicting national standards shall be withdrawn at the latest by August 2017.

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INTERNATIONAL
STANDARD

ISO/IEEE
11073-00103

First edition
2015-03-01

**Health informatics — Personal health
device communication —**

**Part 00103:
Overview**

*Informatique de santé — Communication entre dispositifs de santé
personnels —*

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Partie 00103: Aperçu général

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Foreword

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ISO/IEEE 11073-00103 was prepared by the 11073 Committee of the Engineering in Medicine and Biology Society of the IEEE (as IEEE 11073-00103-2012). It was adopted by Technical Committee ISO/TC 215, *Health informatics*, in parallel with its approval by the ISO member bodies, under the “fast-track procedure” defined in the Partner Standards Development Organization cooperation agreement between ISO and IEEE. IEEE is responsible for the maintenance of this document with participation and input from ISO member bodies.

ISO/IEEE 11073 consists of the following parts, under the general title *Health informatics — Personal health device communication* (text in parentheses gives a variant of subtitle):

- *Part 00103: Overview*
- *Part 10101: (Point-of-care medical device communication) Nomenclature*
- *Part 10102: (Point-of-care medical device communication) Nomenclature — Annotated ECG*
- *Part 10103: (Point-of-care medical device communication) — Nomenclature — Implantable device, cardiac*
- *Part 10201: (Point-of-care medical device communication) Domain information model*
- *Part 10404: Device specialization — Pulse oximeter*

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- Part 10406: Device specialization — Basic electrocardiograph (ECG) (1- to 3-lead ECG)
- Part 10407: Device specialization — Blood pressure monitor
- Part 10408: Device specialization — Thermometer
- Part 10415: Device specialization — Weighing scale
- Part 10417: Device specialization — Glucose meter
- Part 10418: Device specialization — International Normalized Ratio (INR) monitor
- Part 10420: Device specialization — Body composition analyzer
- Part 10421: Device specialization — Peak expiratory flow monitor (peak flow)
- Part 10441: Device specialization — Cardiovascular fitness and activity monitor
- Part 10442: (Point-of-care medical device communication) Device specialization — Strength fitness equipment
- Part 10471: Device specialization — Independent living activity hub
- Part 10472: Device specialization — Medication monitor
- Part 20101: (Point-of-care medical device communication) Application profiles — Base standard
- Part 20601: Application profile — Optimized exchange protocol
- Part 30200: (Point-of-care medical device communication) Transport profile — Cable connected
- Part 30300: (Point-of-care medical device communication) Transport profile — Infrared wireless
- Part 30400: (Point-of-care medical device communication) Interface profile — Cabled Ethernet
- Part 90101: (Point-of-care medical device communication) Analytical instruments — Point-of-care test
- Part 91064: (Standard communication protocol) Computer-assisted electrocardiography
- Part 92001: (Medical waveform format) — Encoding rules

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Health Informatics—Personal health device communication

Part 00103: Overview

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Health informatics—Personal health device communication

Part 00103: Overview

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Abstract: Within the context of the ISO/IEEE 11073 family of standards for device communication, the landscape of transport-independent applications and information profiles for personal telehealth devices is described in this guide. Defined in these profiles are data exchange, data representation, and terminology for communication between personal telehealth devices and compute engines (e.g., health appliances, set top boxes, cell phones, and personal computers). A definition of personal telehealth devices as devices used for life activity, wellness monitoring, and/or health monitoring in domestic home, communal home, and/or mobile applications is provided in this guide. Use cases relevant to these scenarios and environments are also presented.

Keywords: IEEE 11073-00103, medical device communication, personal health devices

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