



# SLOVENSKI STANDARD

## SIST EN ISO/IEEE 11073-20601:2023

01-maj-2023

Nadomešča:

SIST EN ISO 11073-20601:2017

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**Zdravstvena informatika - Interoperabilnost naprav - 20601. del: Komunikacija osebnih medicinskih naprav - Profil aplikacije - Optimalni protokol izmenjave podatkov (ISO/IEEE 11073-20601:2022)**

Health informatics - Device interoperability - Part 20601: Personal health device communication - Application profile - Optimized exchange protocol (ISO/IEEE 11073-20601:2022)

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Medizinische Informatik - Kommunikation von Geräten für die persönliche Gesundheit - Teil 20601: Anwendungsprofil - Optimiertes Datenübertragungsprotokoll (ISO/IEEE 11073-20601:2022)

Informatique de santé - Interopérabilité des dispositifs - Partie 20601: Communication entre dispositifs de santé personnels - Profil d'application - Protocole d'échange optimisé (ISO/IEEE 11073-20601:2022)

**Ta slovenski standard je istoveten z: EN ISO/IEEE 11073-20601:2022**

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**ICS:**

11.040.99	Druga medicinska oprema	Other medical equipment
35.240.80	Uporabniške rešitve IT v zdravstveni tehniki	IT applications in health care technology

**SIST EN ISO/IEEE 11073-20601:2023 en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO/IEEE 11073-  
20601**

December 2022

ICS 35.240.80

Supersedes EN ISO 11073-20601:2016

English Version

**Health informatics - Device interoperability - Part 20601:  
Personal health device communication - Application  
profile - Optimized exchange protocol (ISO/IEEE 11073-  
20601:2022)**

Informatique de santé - Interopérabilité des dispositifs  
- Partie 20601: Communication entre dispositifs de  
santé personnels - Profil d'application - Protocole  
d'échange optimisé (ISO/IEEE 11073-20601:2022)

Medizinische Informatik - Kommunikation von Geräten  
für die persönliche Gesundheit - Teil 20601:  
Anwendungsprofil - Optimiertes  
Datenübertragungsprotokoll (ISO/IEEE 11073-  
20601:2022)

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## European foreword

This document (EN ISO/IEEE 11073-20601:2022) 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 11073-20601

Third edition  
2022-12

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## Health informatics — Device interoperability —

Part 20601:

## Personal health device communication — Application profile — Optimized exchange protocol

*Informatique de santé — Interopérabilité des dispositifs —*

*Partie 20601: Communication entre dispositifs de santé personnels —  
Profil d'application — Protocole d'échange optimisé*

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Reference number  
ISO/IEEE 11073-20601:2022(E)

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Institute of Electrical and Electronics Engineers, Inc  
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Published in Switzerland



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This third edition cancels and replaces the second edition (ISO/IEEE 11073-20601:2016), which has been technically revised. It also incorporates the Technical Corrigendum ISO/IEEE 11073-20601:2016/Cor 1:2016.

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**IEEE Std 11073-20601™-2019**  
(Revision of IEEE Std 11073-20601-2014)

**Health informatics—Personal health device communication**

# **Part 20601: Application profile— Optimized Exchange Protocol**

Developed by the

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

Approved 5 September 2019

**IEEE SA Standards Board**

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**ISO/IEEE 11073-20601:2022(E)**

**Abstract:** Within the context of the ISO/IEEE 11073 family of standards for device communication, a common framework for making an abstract model of personal health data available in transport-independent transfer syntax required to establish logical connections between systems and to provide presentation capabilities and services needed to perform communication tasks is described in this standard. The protocol is optimized to personal health usage requirements and leverages commonly used methods and tools wherever possible.

**Keywords:** IEEE 11073-20601™, medical device communication, personal health devices

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PDF: ISBN 978-1-5044-6379-9      STD24014  
Print: ISBN 978-1-5044-6380-5      STD24014

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