



**SLOVENSKI STANDARD**  
**oSIST prEN ISO/IEEE 11073-10419:2023**  
**01-julij-2023**

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**Zdravstvena informatika - Komunikacija osebnih medicinskih naprav - 10419. del:  
Specialne naprave - Inzulinska črpalka (ISO/IEEE 11073-10419:2019)**

Health informatics - Personal health device communication - Part 10419: Device  
specialization - Insulin pump (ISO/IEEE 11073-10419:2019)

Medizinische Informatik - Kommunikation von Geräten für die persönliche Gesundheit -  
Teil 10419: Gerätespezifikation - Insulinpumpe (ISO/IEEE 11073-10419:2019)

Informatique de santé - Communication entre dispositifs de santé personnels - Partie  
10419: Spécialisation des dispositifs - Pompe à insuline (ISO/IEEE 11073-10419:2019)

**Ta slovenski standard je istoveten z: prEN ISO/IEEE 11073-10419**

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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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STANDARD

ISO/IEEE  
11073-10419

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2019-03

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

**Part 10419:  
Device specialization — Insulin pump**

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

*Partie 10419: Spécialisation des dispositifs — Pompe à insuline*

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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](mailto:stds.ipr@ieee.org)

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This second edition cancels and replaces the first edition (ISO 11073-10419:2016), which has been technically revised.

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**ISO/IEEE 11073-10419:2019(E)**

**Abstract:** Within the context of the ISO/IEEE 11073 family of standards for device communication, a normative definition of communication between personal telehealth insulin pump devices and compute engines (e.g., cell phones, personal computers, personal health appliances, set top boxes), in a manner that enables plug-and-play interoperability, is established in this standard. 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. The standard defines a common core of communication functionality for personal telehealth insulin pump devices.

**Keywords:** IEEE 11073-10419™, insulin pump, medical device communication, personal health devices

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Qifeng Yan  
Junjie Yang  
Ricky Yang  
Qiang Yin

Done-Sik Yoo  
Jianchao Zeng  
Jason Zhang

Zhiqiang Zhang  
Thomas Zhao  
Miha Zoubek  
Szymon Zyskoter

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## Introduction

This introduction is not part of IEEE Std 11073-10419-2017, Health informatics—Personal health device communication—Part 10419: Device Specialization—Insulin Pump.

ISO/IEEE 11073 standards enable communication between medical devices and external computer systems. This document uses the optimized framework created in ISO/IEEE 11073-20601:2016 and describes a specific, interoperable communication approach for insulin pumps.<sup>1</sup> 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 (PHDs).

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<sup>1</sup>Information on references can be found in Clause 2.

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