



SLOVENSKI STANDARD
SIST EN ISO 11073-10103:2014

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Zdravstvena informatika - Komunikacija medicinskih naprav na mestu oskrbe - 10103. del: Nomenklatura: Pripomoček za vsaditev, srčni (ISO 11073-10103:2013, popravljena različica 2014-05-01)

Health informatics - Point-of-care medical device communication - Part 10103: Nomenclature: Implantable device, cardiac (ISO 11073-10103:2013, Corrected version 2014-05-01)

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Informatique de santé - Communication entre dispositifs médicaux sur le site des soins - Partie 10103: Nomenclature: Dispositif implantable, cardiaque (ISO 11073-10103:2013)

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ICS:

| | | |
|-----------|---|---|
| 11.040.40 | Implantanti za kirurgijo, protetiko in ortetiko | Implants for surgery, prosthetics and orthotics |
| 35.240.80 | Uporabniške rešitve IT v zdravstveni tehniki | IT applications in health care technology |

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 11073-10103

December 2013

ICS 35.240.80

English Version

**Health informatics - Point-of-care medical device communication
- Part 10103: Nomenclature - Implantable device, cardiac
(ISO/IEEE 11073-10103:2014, Corrected version 2014-05-01)**

Informatique de santé - Communication entre dispositifs médicaux sur le site des soins - Partie 10103: Nomenclature - Dispositif implantable, cardiaque (ISO/IEEE 11073-10103:2014, Version corrigée 2014-05-01)

Medizinische Informatik - Kommunikation patientennaher medizinischer Geräte - Teil 10103: Nomenklatur - Implantierbare kardiologische Geräte (ISO/IEEE 11073-10103:2014, korrigierte Fassung 2014-05-01)

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| Contents | Page |
|---------------|------|
| Foreword..... | 3 |

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INTERNATIONAL
STANDARD

ISO/IEEE
11073-
10103

First edition
2014-03-01

Corrected version
2014-05-01

**Health informatics — Point-of-care
medical device communication —
Part 10103:
Nomenclature — Implantable device,
cardiac**

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*Informatique de santé — Communication entre dispositifs médicaux sur
le site des soins*
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Partie 10103: Nomenclature — Dispositif implantable, cardiaque

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ISO/IEEE 11073-10103 was prepared by the Substations Committee of the IEEE Power Engineering Society of the IEEE (as IEEE 11073-10103-2013). It was adopted by Technical Committee ISO/TC 215, *Lung ventilators*, 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*

ISO/IEEE 11073-10103:2014(E)

- 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 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—Point-of-care medical device communication

Part 10103: Nomenclature—Implantable device, cardiac

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Health informatics—Point-of-care medical device communication

**Part 10103: Nomenclature—Implantable device,
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Approved 14 May 2012

IEEE-SA Standards Board

Abstract: The base nomenclature provided in IEEE 11073 to support terminology for implantable cardiac devices is extended in this standard. Devices within the scope of this nomenclature are implantable devices such as pacemakers, defibrillators, devices for cardiac resynchronization therapy, and implantable cardiac monitors. The discrete terms necessary to convey a clinically relevant summary of the information obtained during a device interrogation are defined in this nomenclature. To improve workflow efficiencies, cardiology and electrophysiology practices require the management of summary interrogation information from all vendor devices and systems in a central system such as an Electronic Health Records (EHR) system or a device clinic management system. To address this requirement, the Implantable Device, Cardiac (IDC) Nomenclature defines a standard-based terminology for device data. The nomenclature facilitates the transfer of data from the vendor proprietary systems to the clinic EHR or device clinic management system.

Keywords: cardiac resynchronization therapy (CRT), codes, follow-up, home monitoring, IEEE 11073-10103, implantable cardioverter defibrillator (ICD), implantable devices, medical device communication, nomenclature, pacemaker, remote follow-up, remote monitoring, terminology

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