
Zdravstvena informatika - Medobratovalnost naprav - 20701. del: Komunikacija medicinskih naprav na mestu oskrbe - Storitveno usmerjena arhitektura in protokol za komunikacijo z medicinskimi napravami (ISO/IEEE 11073-20701:2020)

Health informatics - Device interoperability - Part 20701: Point-of-care medical device communication - Service oriented medical device exchange architecture and protocol binding (ISO/IEEE 11073-20701:2020)

Medizinische Informatik - Kommunikation patientennaher medizinischer Geräte - Teil 20701: Service-Orientierte Architektur und Protokoll für Medizingeräte-Kommunikation (ISO/IEEE 11073-20701:2020)

Informatique de santé - Interopérabilité des dispositifs - Partie 20701: Communication entre dispositifs médicaux sur le site des soins - Architecture d'échange orientée services entre dispositifs médicaux et liaison par protocole (ISO/IEEE 11073-20701:2020)

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 11073-20701

April 2020

ICS

English Version

**Health informatics - Device interoperability - Part 20701:
Point-of-care medical device communication - Service
oriented medical device exchange architecture and
protocol binding (ISO/IEEE 11073-20701:2020)**

Informatique de santé - Interopérabilité des dispositifs
- Partie 20701: Communication entre dispositifs
médicaux sur le site des soins - Architecture d'échange
orientée services entre dispositifs médicaux et liaison
par protocole (ISO/IEEE 11073-20701:2020)

Medizinische Informatik - Kommunikation
patientennaher medizinischer Geräte - Teil 20701:
Service-Orientierte Architektur und Protokoll für
Medizingeräte-Kommunikation (ISO/IEEE 11073-
20701:2020)

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This document (EN ISO 11073-20701:2020) 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.

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First edition
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Health informatics — Device interoperability —

Part 20701:

Point-of-care medical device communication — Service oriented medical device exchange architecture and protocol binding

Informatique de santé — Interopérabilité des dispositifs —

Partie 20701: Communication entre dispositifs médicaux sur le site des soins — Architecture d'échange orientée services entre dispositifs médicaux et liaison par protocole



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Health informatics—Point-of-care medical device communication

Part 20701: Service-Oriented Medical Device Exchange Architecture and Protocol Binding

Sponsor

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Approved 27 September 2018

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ISO/IEEE 11073-20701:2020(E)

Abstract: Within the context of the ISO/IEEE 11073 family of standards for point-of-care (PoC) medical device communication, an architecture for service-oriented distributed PoC medical devices and medical IT systems is defined. This standard defines a binding of the Participant, Discovery, and Communication Model defined in IEEE Std 11073-10207™ to the profile for transport over Web Services defined in IEEE Std 11073-20702™. Moreover, a binding to Network Time Protocol (NTP) and Differentiated Services (DiffServ) is defined for time synchronization and transport Quality of Service requirements.

Keywords: alert systems, BICEPS, DiffServ, IEEE 11073-20701™, ISO/IEEE 11073, MDPWS, medical device communication, NTP, patient, point-of-care, remote control, service-oriented architecture

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