

SLOVENSKI STANDARD SIST EN ISO 11073-20701:2020

01-junij-2020

Zdravstvena informatika - Interoperabilnost 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)

SIST EN ISO 11073-20701:2020

IT applications in health care

Informatique de sante - Interoperabilité 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

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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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EN ISO 11073-20701:2020 (E)

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EN ISO 11073-20701:2020 (E)

European foreword

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INTERNATIONAL STANDARD

ISO/IEEE 11073-20701

First edition 2020-03

Health informatics — Device interoperability —

Part 20701:

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

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Informatique de santé — Interopérabilité des dispositifs —

Partie 20701. Communication entre dispositifs médicaux sur le site https://standards.iteh.acessoins and Architecture d'échange orientée services entre dispositifs acc481 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

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

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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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