
**Health informatics — Point-of-care
medical device communication —**

Part 30200:

Transport profile — Cable connected

AMENDMENT 1

*Informatique de santé — Communication entre dispositifs médicaux sur
le site des soins —*

Partie 30200: Profil de transport — Connexion par câble

AMENDEMENT 1



Reference number
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Part 30200: Transport profile— Cable connected

Amendment 1

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Health informatics—Point-of-care medical device communication

Part 30200: Transport profile— Cable connected

Amendment 1

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Approved 16 June 2011

IEEE-SA Standards Board

Abstract: ISO/IEEE Std 11073-30200:2004 is extended in this amendment to include IEEE 802.3 100BASE-T and analysis of the compatibility of cable connections between ISO/IEEE Std 11073-30200:2004 and IEEE Std 802.3™-2008.

Keywords: bedside, IEEE 11073, IEEE Std 802.3-2008, Infrared Data Association (IrDA), legacy device, medical device, medical device communications, MIB, patient, SNTP

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Introduction

This introduction is not part of IEEE Std 11073-30200a-2011, Health informatics—Point-of-care medical device communication—Part 30200: Transport profile—Cable connected—Amendment 1.

This amendment extends ISO/IEEE Std 11073-30200:2004 to include IEEE 802.3 100BASE-T, and it includes analysis of the compatibility of cable connections between ISO/IEEE Std 11073-30200:2004 and IEEE Std 802.3-2008 [B10].^a

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1. Overview

Change text as shown:

This standard is divided into 11 clauses, as follows:

- Clause 1 provides an overview of this standard.
- Clause 2 lists references to other standards that are useful in applying this standard.
- Clause 3 provides definitions and abbreviations.
- Clause 4 provides goals for this standard.
- Clause 5 provides an overview of network topology and layering.
- Clause 6 provides a profile of the physical layer.
- Clause 7 provides a profile of the data link layer.
- Clause 8 provides a profile of the network layer.
- Clause 9 provides a profile of the transport layer.
- Clause 10 describes the optional time synchronization service.
- Clause 11 provides labeling and conformance requirements.

This standard also contains ~~45~~16 annexes, as follows:

- Annex A describes the physical layer.
- Annex B provides information on the maximum cable length.
- Annex C provides examples of physical link media.
- Annex D provides example schematics for modular adapters.
- Annex E provides a detailed rationale for pin assignments.
- Annex F describes the use of IEEE 802.3 10BASE-T/100BASE-TX with this standard.
- Annex G provides a discussion of power delivery considerations.
- Annex H provides examples of simple bedside communications controller (BCC) and device communications controller (DCC) designs.
- Annex I provides an example of an isolated BCC design.
- Annex J provides an optical isolator design example.
- Annex K provides marking guidelines.
- Annex L provides protocol examples, particularly of connection establishment.
- Annex M defines the Infrared Data Association (IrDA) profile specifications adapted from the IrDA implementation guidelines.
- Annex N provides guidelines for using the SNTP time synchronization protocol.
- Annex O provides an analysis of compatibility between ISO/IEEE Std 11073-30200:2004 and 10BASE-T/100BASE-TX of IEEE Std 802.3-2008 [B10].
- Annex ~~Θ~~P provides bibliographical references.