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Part 10417: **Device specialization — Glucose meter**

 $Informatique\ de\ sant\'e-Communication\ entre\ dispositifs\ m\'edicaux\ sur\ le\ site$

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Health informatics—Personal health device communication

Part 10417: Device Specialization— **Glucose Meter**

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Abstract: Within the context of the ISO/IEEE 11073 family of standards for device communication, a normative definition of communication between personal telehealth glucose meter devices and compute engines (e.g., cell phones, personal computers, personal health appliances, and set top boxes) is established by this standard in a manner that enables plug-and-play interoperability. Appropriate portions of existing standards are leveraged, including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. The use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor interoperability common core of communication functionality for are specified. Α personal telehealth glucose meters is defined in this standard.

Keywords: glucose meter, IEEE 11073-10417[™], medical device communication, personal health devices

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Introduction

This introduction is not part of IEEE Std 11073-10417TM-2015, Health informatics—Personal health device communication—Part 10417: Device Specialization—Glucose Meter.

ISO/IEEE 11073 standards enable communication between medical devices and external computer systems. This document uses the optimized framework created in IEEE Std 11073-20601-2015^a and describes a specific, interoperable communication approach for glucose meters. 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.

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^aFor information on references, see Clause 2.

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