FINAL DRAFT

INTERNATIONAL ISO/IEEE STANDARD FDIS 11073-10415

ISO/TC 215

Secretariat: ANSI

Voting begins on: **2022-06-16**

Voting terminates on:

2022-11-03

Health informatics — **Device interoperability** —

Part 10415:

Personal health device communication — Device specialization — Weighing

scale

Informatique de santé — Interopérabilité des dispositifs —

Partie 10415: Communication entre dispositifs de santé personnels — Spécialisation des dispositifs — Plateau de balance

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This second edition cancels and replaces the first edition (ISO/IEEE 11073-10415:2010), which has been technically revised.

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Health informatics—Personal health device communication

Part 10415: Device specialization— Weighing scale

Developed by the

IEEE 11073™ Standards Committee

of the IEEE Engineering in Medicine and Biology Society

Approved 7 November 2019

IEEE SA Standards Board $_{\rm ISO/IEEE\,FDIS\,11073-10415}$

Abstract: Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth weighing scale devices and compute engines (e.g., cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth weighing scales.

Keywords: IEEE 11073-10415[™], medical device communication, personal health devices, weighing scale

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PDF: ISBN **978-1-5044-6363-8 STD24007** Print: ISBN **978-1-5044-6364-5 STDPD24007**

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Introduction

This introduction is not part of IEEE Std 11073-10415-2019, Health informatics—Personal health device communication—Part 10415: Device specialization—Weighing scale.

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^a and describes a specific, interoperable communication approach for weighing scales. 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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^a Information on normative references can be found in Clause 2.

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