

ISO/IEEE 11073-10415:2022-12 (E)

Health informatics - Device interoperability - Part 10415: Personal health device communication - Device specialization - Weighing scale

Contents	Page
1. Overview	12
1.1 Scope	12
1.2 Purpose	12
1.3 Context	12
1.4 Word usage	13
2. Normative references	13
3. Definitions, acronyms, and abbreviations	14
3.1 Definitions	14
3.2 Acronyms and abbreviations	14
4. Introduction to ISO/IEEE 11073 personal health devices	15
4.1 General	15
4.2 Introduction to IEEE 11073-20601 modeling constructs	15
4.3 Compliance with other standards	16
5. Weighing scale device concepts and modalities	16
5.1 General	16
5.2 Body weight	16
5.3 Body height	17
5.4 Body mass index	17
6. Weighing scale domain information model	17
6.1 Overview	17
6.2 Class extensions	17
6.3 Object instance diagram	17
6.4 Types of configuration	19
6.5 Medical device system object	20
6.6 Numeric objects	23
6.7 Real-time sample array objects	28
6.8 Enumeration objects	28
6.9 PM-store objects	28
6.10 Scanner objects	28
6.11 Class extension objects	28
6.12 Weighing scale information model extensibility rules	28
7. Weighing scale service model	29
7.1 General	29
7.2 Object access services	29
7.3 Object access event report services	31
8. Weighing scale communication model	31
8.1 Overview	31
8.2 Communications characteristics	31

8.3 Association procedure	32
8.4 Configuring procedure.....	34
8.5 Operating procedure	35
8.6 Time synchronization	36
9. Test associations.....	36
9.1 General	36
9.2 Behavior with standard configuration.....	36
9.3 Behavior with extended configurations	36
10. Conformance	37
10.1 Applicability.....	37
10.2 Conformance specification	37
10.3 Levels of conformance	37
10.4 Implementation conformance statements	38
Annex A (informative) Bibliography	43
Annex B (normative) Any additional ASN.1 definitions	44
Annex C (normative) Allocation of identifiers.....	45
Annex D (informative) Message sequence examples.....	46
Annex E (informative) Protocol data unit examples	48
Annex F (informative) Revision history.....	58