

DIN EN ISO 11073-10415:2011-07 (E)

Health informatics - Personal health device communication - Part 10415: Device specialization - Weighing scale (ISO/IEEE 11073-10415:2010); English version EN ISO 11073-10415:2011

Contents	Page
Foreword.....	4
Introduction.....	5
1. Overview.....	6
1.1 Scope.....	6
1.2 Purpose.....	6
1.3 Context.....	7
2. Normative references.....	7
3. Definitions, acronyms, and abbreviations.....	7
3.1 Definitions.....	7
3.2 Acronyms and abbreviations.....	8
4. Introduction to ISO/IEEE 11073 personal health devices.....	8
4.1 General.....	8
4.2 Introduction to IEEE 11073-20601 modeling constructs.....	9
5. Weighing scale device concepts and modalities.....	9
5.1 General.....	9
5.2 Body weight.....	10
5.3 Body height.....	10
5.4 Body mass index.....	10
6. Weighing scale domain information model.....	10
6.1 Overview.....	10
6.2 Class extensions.....	10
6.3 Object instance diagram.....	11
6.4 Types of configuration.....	12
6.5 Medical device system object.....	13
6.6 Numeric objects.....	16
6.7 Real-time sample array objects.....	20
6.8 Enumeration objects.....	20
6.9 PM-store objects.....	20
6.10 Scanner objects.....	20
6.11 Class extension objects.....	20
6.12 Weighing scale information model extensibility rules.....	20
7. Weighing scale service model.....	20
7.1 General.....	20
7.2 Object access services.....	20
7.3 Object access event report services.....	22
8. Weighing scale communication model.....	22
8.1 Overview.....	22
8.2 Communications characteristics.....	22
8.3 Association procedure.....	23
8.4 Configuring procedure.....	24
8.5 Operating procedure.....	26
8.6 Time synchronization.....	26

9. Test associations.....	26
9.1 Behavior with standard configuration	27
9.2 Behavior with extended configurations.....	27
10. Conformance.....	27
10.1 Applicability.....	27
10.2 Conformance specification.....	27
10.3 Levels of conformance.....	28
10.4 Implementation conformance statements.....	28
Annex A (informative) Bibliography.....	33
Annex B (normative) Any additional ASN.1 definitions.....	34
Annex C (normative) Allocation of identifiers.....	35
Annex D (informative) Message sequence examples.....	36
Annex E (informative) Protocol data unit examples.....	38