

ISO/IEEE 11073-10101:2004-12 (E)

Health informatics — Point-of-care medical device communication — Part 10101: Nomenclature

Contents

1.	Scope.....	1
2.	Conformance.....	1
3.	Normative references.....	1
4.	Terms and definitions.....	2
5.	Symbols (and abbreviated terms).....	2
6.	Application.....	4
7.	Semantics.....	4
7.1	Attribution.....	5
7.2	Coding.....	5
7.2.1	Context-sensitivity.....	6
7.2.2	Grouping.....	7
8.	Syntax.....	7
8.1	Transfer.....	7
8.1.1	Types.....	7
8.1.2	Notation.....	8
8.2	Programmatic.....	8
8.2.1	Attribution.....	8
8.2.2	Notation.....	9
9.	Extensibility.....	10
10.	Version exporting.....	10
	Annex A (normative) Nomenclature semantics.....	11
A.1	Overview of nomenclature for vital signs—semantics.....	11
A.1.1	Introduction.....	11
A.2	Code assignment to the MDIB elements.....	12
A.2.1	Overview.....	12
A.2.2	Basic rules.....	12
A.2.3	Coding spaces.....	13
A.3	Data dictionary and codes for object-oriented modeling elements (Block A).....	18
A.3.1	Introduction.....	18
A.3.2	Object-oriented modeling elements: inventory tables.....	19
A.4	Data dictionary and codes for communication infrastructure (Block G).....	42
A.4.1	Communication infrastructure: inventory tables.....	42
A.5	Nomenclature, data dictionary, and codes for vital signs devices (Block A).....	47
A.5.1	Introduction.....	47
A.5.2	Base concepts.....	48
A.5.3	First set of differentiating criteria.....	48
A.5.4	Second set of differentiating criteria.....	49
A.5.5	Third set of differentiating criteria.....	49

A.5.6	Attributes	50
A.5.7	Code table	50
A.6	Terminology and codes for units of measurement (Block B).....	59
A.6.1	Introduction.....	59
A.6.2	Orders of magnitude discriminator	59
A.6.3	Units outside of SI	60
A.6.4	Units of measurement	60
A.7	Nomenclature, data dictionary, and codes for metrics (measurements and enumerations) (Block C).....	76
A.7.1	Nomenclature for ECG measurements	76
A.7.2	Nomenclature for ECG enumerations.....	93
A.7.3	Nomenclature, data dictionary, and codes for haemodynamic monitoring measurements.....	102
A.7.4	Nomenclature, data dictionary, and codes for respiratory measurements	118
A.7.5	Nomenclature, data dictionary, and codes for common blood-gas, blood, urine, and other fluid chemistry measurements	150
A.7.6	Nomenclature, data dictionary, and codes for fluid output measurements.....	157
A.7.7	Nomenclature, data dictionary, and codes for pumps.....	161
A.7.8	Nomenclature, data dictionary, and codes for neurological monitoring measurements.....	177
A.7.9	Nomenclature, data dictionary, and codes for neurophysiologic enumerations ...	190
A.7.10	Nomenclature, data dictionary, and codes for stimulation modes	217
A.7.11	Nomenclature, data dictionary, and codes for miscellaneous measurements.....	224
A.8	Nomenclature, data dictionary, and codes for body sites (Block D)	228
A.8.1	Introduction.....	228
A.8.2	Sites for neurophysiological signal monitoring: locations near peripheral nerves	228
A.8.3	Sites for neurophysiological signal monitoring: locations near muscles.....	244
A.8.4	Sites for EEG-electrode placement on the head	287
A.8.5	Sites for EOG signal monitoring	294
A.8.6	Sites for general neurological monitoring measurements and drainage	299
A.8.7	Sites for cardiovascular measurements	301
A.8.8	Miscellaneous sites used in vital signs monitoring and measurement.....	307
A.8.9	Qualifiers of body site locations	322
A.9	Nomenclature, data dictionary, and codes for alerts (Block E)	326
A.9.1	Introduction.....	326
A.9.2	Diagnostic pattern events	326
A.9.3	Device-related and environment-related events	334
A.10	Nomenclature, data dictionary, and codes for external nomenclatures and messaging standards (Block F)	357
A.10.1	Introduction.....	357
A.10.2	Base concepts.....	357
A.10.3	First set of differentiating criteria	357
A.10.4	Second set of differentiating criteria.....	358
A.10.5	Third set of differentiating criteria.....	358
A.10.6	Code table	358
Annex B (normative)	Nomenclature syntax	363
B.1	General	363
B.1.1	Notation	363
B.1.2	Partition codes.....	363
B.1.3	Discriminator ranges.....	364
B.2	Object infrastructure	364
B.3	Medical supervisory control and data acquisition (SCADA)	396
B.4	Events	442
B.5	Dimensions	458
B.6	Virtual attributes	467
B.7	Parameter groups	467
B.8	Body Sites	467
B.9	Communication infrastructure	483
B.10	External nomenclature	486
Annex C (informative)	Bibliography.....	489