

# DIN EN ISO 11073-10101:2006-05 (E)

## Health informatics - Point-of-care medical device communication - Part 10101: Nomenclature (ISO/IEEE 11073-10101:2004); English version EN ISO 11073- 10101:2005

---

### Contents

1.	Scope.....	6
2.	Conformance.....	6
3.	Normative references.....	6
4.	Terms and definitions .....	7
5.	Symbols (and abbreviated terms) .....	7
6.	Application.....	9
7.	Semantics .....	9
7.1	Attribution.....	10
7.2	Coding.....	10
7.2.1	Context-sensitivity.....	11
7.2.2	Grouping .....	12
8.	Syntax .....	12
8.1	Transfer.....	12
8.1.1	Types.....	12
8.1.2	Notation .....	13
8.2	Programmatic.....	13
8.2.1	Attribution.....	13
8.2.2	Notation .....	14
9.	Extensibility .....	15
10.	Version exporting .....	15
	Annex A (normative) Nomenclature semantics.....	16
A.1	Overview of nomenclature for vital signs—semantics.....	16
A.1.1	Introduction.....	16
A.2	Code assignment to the MDIB elements .....	17
A.2.1	Overview.....	17
A.2.2	Basic rules.....	17
A.2.3	Coding spaces .....	18
A.3	Data dictionary and codes for object-oriented modeling elements (Block A) .....	23
A.3.1	Introduction.....	23
A.3.2	Object-oriented modeling elements: inventory tables .....	24
A.4	Data dictionary and codes for communication infrastructure (Block G).....	47
A.4.1	Communication infrastructure: inventory tables .....	47
A.5	Nomenclature, data dictionary, and codes for vital signs devices (Block A).....	52
A.5.1	Introduction.....	52
A.5.2	Base concepts.....	53
A.5.3	First set of differentiating criteria .....	53
A.5.4	Second set of differentiating criteria.....	54
A.5.5	Third set of differentiating criteria.....	54

A.5.6	Attributes .....	55
A.5.7	Code table .....	55
A.6	Terminology and codes for units of measurement (Block B).....	64
A.6.1	Introduction.....	64
A.6.2	Orders of magnitude discriminator .....	64
A.6.3	Units outside of SI .....	65
A.6.4	Units of measurement .....	65
A.7	Nomenclature, data dictionary, and codes for metrics (measurements and enumerations) (Block C).....	81
A.7.1	Nomenclature for ECG measurements .....	81
A.7.2	Nomenclature for ECG enumerations.....	98
A.7.3	Nomenclature, data dictionary, and codes for haemodynamic monitoring measurements.....	107
A.7.4	Nomenclature, data dictionary, and codes for respiratory measurements .....	123
A.7.5	Nomenclature, data dictionary, and codes for common blood-gas, blood, urine, and other fluid chemistry measurements .....	155
A.7.6	Nomenclature, data dictionary, and codes for fluid output measurements.....	162
A.7.7	Nomenclature, data dictionary, and codes for pumps.....	166
A.7.8	Nomenclature, data dictionary, and codes for neurological monitoring measurements.....	182
A.7.9	Nomenclature, data dictionary, and codes for neurophysiologic enumerations ....	195
A.7.10	Nomenclature, data dictionary, and codes for stimulation modes .....	222
A.7.11	Nomenclature, data dictionary, and codes for miscellaneous measurements.....	229
A.8	Nomenclature, data dictionary, and codes for body sites (Block D) .....	233
A.8.1	Introduction.....	233
A.8.2	Sites for neurophysiological signal monitoring: locations near peripheral nerves	233
A.8.3	Sites for neurophysiological signal monitoring: locations near muscles.....	249
A.8.4	Sites for EEG-electrode placement on the head .....	292
A.8.5	Sites for EOG signal monitoring .....	299
A.8.6	Sites for general neurological monitoring measurements and drainage .....	304
A.8.7	Sites for cardiovascular measurements.....	306
A.8.8	Miscellaneous sites used in vital signs monitoring and measurement.....	312
A.8.9	Qualifiers of body site locations .....	327
A.9	Nomenclature, data dictionary, and codes for alerts (Block E) .....	331
A.9.1	Introduction.....	331
A.9.2	Diagnostic pattern events.....	331
A.9.3	Device-related and environment-related events .....	339
A.10	Nomenclature, data dictionary, and codes for external nomenclatures and messaging standards (Block F).....	362
A.10.1	Introduction.....	362
A.10.2	Base concepts.....	362
A.10.3	First set of differentiating criteria .....	362
A.10.4	Second set of differentiating criteria.....	363
A.10.5	Third set of differentiating criteria.....	363
A.10.6	Code table .....	363
nex B (normative) Nomenclature syntax .....		368
B.1	General .....	368
B.1.1	Notation .....	368
B.1.2	Partition codes.....	368
B.1.3	Discriminator ranges.....	369
B.2	Object infrastructure .....	369
B.3	Medical supervisory control and data acquisition (SCADA) .....	401

B.4	Events .....	447
B.5	Dimensions .....	463
B.6	Virtual attributes .....	472
B.7	Parameter groups .....	472
B.8	Body Sites .....	472
B.9	Communication infrastructure .....	488
B.10	External nomenclature .....	491
Annex C (informative) Bibliography.....		494