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

Informatique de santé — Interopérabilité des dispositifs —

*Partie 10101: Communication entre dispositifs médicaux sur le site
des soins — Nomenclature*



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IEEE Std 11073-10101™-2019
(Revision of
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Health informatics—Point-of-care medical device communication

Part 10101: Nomenclature

Developed by the

IEEE 11073™ Standards Committee
of the
IEEE Engineering in Medicine and Biology Society

Approved 13 June 2019

IEEE SA Standards Board

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Abstract: Within the context of the ISO/IEEE 11073 family of standards for point-of-care (POC) and personal health devices (PHD) medical device communication (MDC), this standard provides the nomenclature that supports both the domain information model and service model components of the standards family, as well as the semantic content exchanged with medical devices. The nomenclature is specialized for patient vital signs information representation and medical device informatics, with major areas including concepts for electrocardiograph (ECG), haemodynamics, respiration, blood gas, urine, fluid-related metrics, and neurology, as well as specialized units of measurement, general device events, alarms, and body sites. The standard defines both the architecture and major components of the nomenclature, along with extensive definitions for each conceptual area.

Keywords: codes, IEEE 11073-10101™, IHE PCD-01, independent living, information model, medical device communication, nomenclature, ontology, patient, personal health devices, PHD, POC, point-of-care, semantics, service model, terminology

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Introduction

This introduction is not part of IEEE Std 11073-10101-2019, Health informatics—Point-of-Care Medical Device Communication—Nomenclature.

ISO/IEEE 11073 standards enable communication between medical devices and external computer systems. They provide automatic and detailed electronic data capture of patient vital signs information and device operational data. The primary goals are to

- Provide real-time plug-and-play interoperability for patient-connected medical devices.
- Facilitate the efficient exchange of vital signs and medical device data, acquired at the point-of-care, in all health care environments.

“Real-time” means that data from multiple devices can be retrieved, time correlated, and displayed or processed in fractions of a second. “Plug-and-play” means that all the clinician has to do is make the connection — the systems automatically detect, configure, and communicate without any other human interaction.

“Efficient exchange of medical device data” means that information that is captured at the point-of-care (e.g., patient vital signs data) can be archived, retrieved, and processed by many different types of applications without extensive software and equipment support, and without needless loss of information. The standards focus on acute care devices, such as patient monitors, ventilators, infusion pumps, ECG devices, etc, and personal health devices and systems. They comprise a family of standards that can be layered together to provide connectivity optimized for the specific devices being interfaced.

IEEE Std 11073-10101 was originally published in 2004 in conjunction with the International Organization for Standardization (ISO). In 2015, IEEE published an amendment that expanded the nomenclature and definitions covered in the standard to reflect the continued innovation in medical device and system design. This 2019 revision integrates the amendment into the original text and further updates and expands the nomenclature and definitions.

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Health informatics—Point-of-care medical device communication

Part 10101: Nomenclature

1. Scope

This standard defines a nomenclature for communication of information from point-of-care medical devices. Primary emphasis is placed on acute care medical devices and patient vital signs information. The nomenclature also supports concepts in an object-oriented information model that is for medical device communication.

2. Normative references

The following normative documents contain provisions that, through reference in this text, constitute provisions of ISO/IEEE 11073-10101. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on ISO/IEEE 11073-10101 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid international standards.

IEEE Std 1073™, IEEE Standard for Medical Device Communications—Overview and Framework.^{1,2}

IEEE Std 11073-10102™-2012, Health informatics—Point-of-care medical device communication—Part 10102: Nomenclature—Annotated ECG.

IEEE Std 11073-10103™-2012, Health informatics—Point-of-care medical device communication—Part 10103: Nomenclature—Implantable device, cardiac.

ISO/IEC 8824 (all parts), Information technology — Abstract Syntax Notation One (ASN.1).³

ISO/IEC 8825 (all parts), Information technology —ASN.1 encoding rules.

¹ IEEE publications are available from The Institute of Electrical and Electronics Engineers, Inc. (<http://standards.ieee.org/>).

² The IEEE standards or products referred to in Clause 2 are trademarks owned by The Institute of Electrical and Electronics Engineers, Incorporated.

³ ISO/IEC documents can be obtained from the International Organization for Standardization (<http://www.iso.ch/>), International Electrotechnical Commission (<http://www.iec.ch/>), and the American National Standards Institute (<http://www.ansi.org/>).

ISO/IEC 9596-1, Information technology — Open systems interconnection — Common Management Information Protocol — Part 1: Specification.

ISO/IEEE 11073-10201, Health informatics — Point-of-care medical device communication — Part 10201: Domain information model (referred to hereinafter as the “DIM”).

ISO/IEEE 11073-20101, Health informatics — Point-of-care medical device communication — Part 20101: Application profiles – Base standard.

ISO/IEEE 11073-20601, Health informatics — Personal health device communication — Part 20601: Application profile—Optimized Exchange Protocol

ISO/IEEE 11073-10404, Health informatics — Personal health device communication — Part 10404: Device specialization — Pulse Oximeter

ISO/IEEE 11073-10406, Health informatics — Personal health device communication — Part 10406: Device specialization — Basic electrocardiograph (ECG) (1- to 3-lead ECG)

ISO/IEEE 11073-10407, Health informatics — Personal health device communication — Part 10407: Device specialization — Blood Pressure

ISO/IEEE 11073-10408, Health informatics — Personal health device communication — Part 10408: Device specialization — Thermometer

ISO/IEEE 11073-10415, Health informatics — Personal health device communication — Part 10415: Device specialization — Weighing Scale

ISO/IEEE 11073-10417, Health informatics — Personal health device communication — Part 10417: Device specialization — Glucose Meter

ISO/IEEE 11073-10418, Health informatics — Personal health device communication — Part 10418: Device specialization — International Normalized Ratio (INR) monitor

ISO/IEEE 11073-10419, Health informatics — Personal health device communication — Part 10419: Device specialization — Insulin Pump

ISO/IEEE 11073-10420, Health informatics — Personal health device communication — Part 10420: Device specialization — Body composition analyzer

ISO/IEEE 11073-10421, Health informatics — Personal health device communication — Part 10421: Device specialization — Peak expiratory flow monitor (peak flow)

ISO/IEEE 11073-10422, Health informatics — Personal health device communication — Part 10422: Device specialization — Urine analyzer

ISO/IEEE 11073-10424, Health informatics — Personal health device communication — Part 10424: Device specialization — Sleep Apnoea Breathing Therapy Equipment (SABTE)

ISO/IEEE 11073-10425, Health informatics — Personal health device communication — Part 10425: Device specialization — Continuous Glucose Monitor (CGM)

ISO/IEEE 11073-10427, Health informatics — Personal health device communication — Part 10427: Device specialization — Power Status Monitor of Personal Health Devices

ISO/IEEE 11073-10441, Health informatics — Personal health device communication — Part 10441: Device specialization — Cardiovascular fitness and activity monitor

ISO/IEEE 11073-10442, Health informatics — Personal health device communication — Part 10442: Device specialization — Strength fitness equipment

ISO/IEEE 11073-10471, Health informatics — Personal health device communication — Part 10471: Device specialization — Independent living activity hub

ISO/IEEE 11073-10472, Health informatics — Personal health device communication — Part 10472: Device specialization — Medication monitor

3. Terms, definitions, symbols, and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply. The *IEEE Standards Dictionary Online* should be consulted for terms not defined in this clause.⁴

base term: A fundamental semantic concept.

co-constraint: A rule describing a constraint whose scope is inclusive of more than one term.

corollary: A semantic and a syntactical representation that are correlated by a unique code.

discriminators: A mechanism to provide additional semantic refinement to multiple base terms.

domain information model (DIM): The model describing common concepts and relationships for a problem domain.

reference identifier (RefId): A unique, symbolic, and programmatic form for the term. The form is correlated to the context-free code (i.e., terms are by definition context-free with respect to all other terms); in this standard, terms are prefixed with “MDC_” for consistency.

systematic name: An organization of differentiating, relational descriptors that are unique for each term.

terminology: A synonym for nomenclature.

tuple: A component of a relation; e.g., a 2-tuple has two relational components.

unique: Nonredundant.

3.2 Symbols and abbreviated terms

AI	aging independently
aka	also known as
API	application program interface

⁴ *IEEE Standards Dictionary Online* is available at <http://dictionary.ieee.org>.

ASN.1	Abstract Syntax Notation One (ISO/IEC 8824) ⁵
BAEP	brainstem acoustic evoked potential
BCC	bedside communication controller
BER	basic encoding rules (ISO/IEC 8825-1).
CMDISE	communication medical device information service element (CEN ENV 13735 [B5]) ⁶
CMIP	Common Management Information Protocol (ISO/IEC 9596-1)
CMIP*	Common Management Information Protocol using ISO/IEEE 11073 MDDL/MDER
CNS	central nervous system
CSF	cerebrospinal fluid
CVS	cardiovascular system
DCC	device communication controller
DIM	domain information model, as defined in vital signs information representation (VITAL), interoperability of patient-connected medical devices (INTERMED), and medical device data language (MDDL) (ISO/IEEE 11073-10201) ⁷
ECG	electrocardiogram or electrocardiograph
ECoG	electrocochleograph
EEG	electroencephalogram or electroencephalograph
EMG	electromyogram or electromyograph
EOG	electrooculogram
ERG	electroretinogram or electroretinograph
FEF	file exchange format (CEN/TC251/PT-40 [B7])
FFT	fast Fourier transform
FSM	finite state machine
HL7 ^{®8}	Health Level Seven
ICU	intensive care unit
ID	identifier
IHE PCD	Integrating the Healthcare Enterprise Patient Care Device
INTERMED	interoperability of patient-connected medical devices (CEN ENV 13735 [B5])
ISO	International Standards Organisation
LLAEP	long latency acoustic evoked potential
LS	Location services
MDAP	medical device application profile (The abbreviation <i>MDAP</i> may be substituted for the phrase <i>ISO/IEEE 11073-20000 family of standards.</i>)
MDC	medical device communication

⁵ Information on references can be found in Clause 2.

⁶ The numbers in brackets correspond to the numbers of the bibliography in Annex I.

⁷ The DIM was originally defined in CEN ENV 13734 [B4] and CEN ENV 13735 [B5], which are now superseded by ISO/IEEE 11073-10201.

⁸ HL7 is a registered trademark of Health Level Seven, Inc. (<http://www.hl7.org>).

MDDL	medical device data language (The abbreviation <i>MDDL</i> may be substituted for the phrase <i>ISO/IEEE 11073-10000 family of standards.</i>)
MDER	medical device encoding rules, as defined in medical device application profile (MDAP)
MDIB	medical data information base, as defined in ISO/IEEE 11073-10201
MDS	medical device system, an abstraction for a medical device (ISO/IEEE 11073-10201)
MIB	management information base
MLAEP	middle latency acoustic evoked potential
NCS	nerve conductance study
NIST	National Institute of Standards and Technology
NOS	not otherwise specified
OO	object-oriented
OID	object identifier
PCA	patient-controlled analgesia
PCHA	Personal Connected Health Alliance (formerly Continua Health Alliance)
PDU	protocol data unit (also referred to as a <i>message</i> ; by convention, the term <i>PDU</i> s is used in text to indicate multiplicity)
PHD	IEEE 11073 personal health device series of communication standards, including IEEE Std 11073-20601 (the base document) and the IEEE 11073-104xx device specializations
POC	point of care or point-of-care
RefId	IEEE 11073 reference identifier
RTMMS	Rosetta Terminology Mapping Management System
SCADA	supervisory control and data acquisition
SCO	service and control object
SCP-ECG	Standard Communications Protocol for Computer-Assisted Electrocardiography (CEN ENV 1064 [B1]0)
SEP	somatosensory evoked potential (also <i>systolic ejection period</i> in the context of haemodynamic monitoring measurements)
SNOMED ⁹	Systematized Nomenclature of Medicine
typ	typical
USI	Universal Service Indicator
URL	Universal Resource Locator
URN	Universal Resource Name
VEP	visual evoked potential
VMD	virtual medical device; an abstraction of a medical device modality; e.g., a <i>vital signs monitor medical device system (MDS)</i> might comprise electrocardiogram (ECG), blood pressure, temperature, and other related VMDs (ISO/IEEE 11073-10201)

⁹ SNOMED is a registered trademark of the College of American Pathologists (<http://www.cap.org>).

VMO	virtual medical object (ISO/IEEE 11073-10201)
VMS	virtual medical system (ISO/IEEE 11073-10201)
VITAL	vital signs information representation (CEN ENV 13734 [B4])
0x<value>	hexadecimal encoding; e.g., the notation 0x0001 implies a 16-bit code with a decimal value of 1

4. Conformance

There are no particular implementation conformance requirements defined in this standard, but some requirements for nomenclature representation are established in this standard to guide specification of semantics and syntax in other parts of the overall standard.

5. Introduction to the standard

This standard is a revision to IEEE Std 11073-10101-2004 that consolidates to a single standard, the nomenclature of IEEE Std 11073-10101-2004, IEEE Std 11073-10101a, IEEE Std 11073-20601, and the IEEE 11073-104xx series of standards.

This document further includes errata and nomenclature added to Rosetta Terminology Mapping Management System (RTMMS) since publication of IEEE Std 11073-10101a.

6. Application

Nomenclature in this standard is primarily intended to be used in protocol data units (PDUs) as values of fields, typically object-oriented attributes, which specify particular alternatives among a related semantic set. The following are the most common field types:

- *Managed object class ID*, e.g., MDS [medical device system], VMS [virtual medical system], VMD [virtual medical device], VMO [virtual medical object], Channel, Metric, Alert, Scanner, SCO [service and control object], etc.
- *Event type ID*, e.g., a numerical observation type of event report.
- *Attribute ID*: various attributes in the domain information model (DIM).
 - *Type ID*: in general, a concept not covered by a class definition per se, but by a well-known or commonly used type of a class, e.g., a VMD (e.g., ventilator, gas analyzer), Metric object class physiological function code (e.g., heart rate, cerebral perfusion pressure), or the body site of a measurement (e.g., left toe).
 - *State*: mode, status or finite state machine (FSM) state, e.g., associated.
 - *Dimension*: unit of measurement, e.g., deciliters per hour [dl/h].
 - *Indication*: alarm, e.g., asystole, INOP (e.g., malfunction), or advisory (e.g., check calibration).
- *Action type ID*, e.g., activate.
- *External nomenclature ID*, e.g., Systematized Nomenclature for Medicine (SNOMED).

Technically, information is initially defined in an abstract syntax, e.g., Abstract Syntax Notation One (ASN.1) or medical device data language (MDDL), and then mapped to and interchanged through a transfer syntax, e.g., basic encoding rules (BER) or medical device encoding rules (MDER), typically for efficiency in the form of integers. However, abstract syntax languages are generally unsuitable for high-precision human understanding, especially of medical terms. As a result, both semantic and syntactical definitions are needed, as covered in Clause 7 and Clause 8, respectively.

7. Semantics

Clause 7 establishes specification guidelines. Refer to Annex A for the detailed specification.

7.1 Attribution

Nomenclature semantics are represented as a set of attributes, as shown in Table 1.

Table 1—Nomenclature attributes

Attribute	Description/Definition	Purpose	Interpretability	Presence
Systematic, or DIM name	An organization of differentiating, relational descriptors; see Table 2 and Table 3	Formal or semiformal but human-readable derivation	Shall be unambiguous	Mandatory
Common term	A brief description of the name	Human-readable identification or efficient lookup	Should be unambiguous	Optional
Acronym	An abbreviated form of the name	Mnemonic or parametric abbreviation	Should be unambiguous	Optional
Description/Definition	A long, or sentence, form of the name	Human-readable and as understandable as possible	Shall be unambiguous with the exception of synonyms	Mandatory
Reference Identifier (RefId)	A symbolic, programmatic form of the term	Development of application program interfaces (APIs)	Shall be unambiguous	Mandatory
Code	[Alpha]numeric identifier	Human- and machine-readable and efficiently processable by machines	Shall be unique, but context-sensitive parts are permitted; see 7.2	Mandatory
Others	As appropriate for the semantic and as specified in the detailed tables in Annex A. For example, a Reference Id, or corollary to the programmatic form, may be used in some cases to facilitate table lookup.			

Refer to Table 2 for an example pertaining to medical device typology and to Table 3 for a partial derivation of the systematic name used for this block. As is shown in Table 3, the systematic name is an <n>-tuple of a base concept and a series of differentiating criteria, and the value of the systematic name is a string separated by “|” delimiters. [A null indicates not otherwise specified (NOS).]

Table 2—Attribution example

Systematic name	Common term	Description/Definition	RefId	Part::Code
Analyzer				
Analyzer <type>	Generic analyzer	Instrument that analyzes acquired patient information	MDC_DEV_ANALY	1::4100
Analyzer Concentration [Sat] Blood <type>	SpO ₂ monitor	Instrument that derives the % of arterial O ₂ and pulse rate parameters (blood flow)	MDC_DEV_ANALY_SAT_O 2	1::4104

7.2 Coding

Several coding methods are used to promote interoperability.

Table 3—Systematic name derivation—medical device type example

Base concept	Differentiating criteria		
	1 st <Device>	2 nd <has target>	3 rd <type>
Analyzer, Filter, Calculator, ...	Concentration, Electrical Potential, Flow, ...	Airway, Blood, Body, ...	Nonspecific, MDS, VMD, Channel

7.2.1 Context-sensitivity

For processing efficiency, especially bandwidth conservation, some nomenclature codes are defined as fixed-length integer 2-tuples, consisting of a partition number and a term code (within the partition). Provided that the partition context can be properly mapped, e.g., by implicit syntactical parsing, the processor requires only the term code to correlate the semantic, in which case the term code is context-sensitive with respect to the partition, whereas the 2-tuple is context-free.

For additional processing efficiency, partition numbers and term codes are mapped to 16-bit and 32-bit words, as follows.

$$[\text{context-free}] \text{ Nomenclature Code} == (\text{Partition number} * 2^{**16}) + [\text{context-sensitive}] \text{ Term Code},$$

where

Term Code is a decimal number in the range 0-65535 (i.e., $2^{**16}-1$).

For example, the context-free nomenclature code for a term in partition number 1 with a term code=4100 is equal to $((1 * 2^{**16}) + 4100) = 65536 + 4100 = 69636$ (which uniquely identifies the SpO₂ monitor term in Table 2).

Refer to Figure 1 for an illustration of the relationship between partition number and term codes.

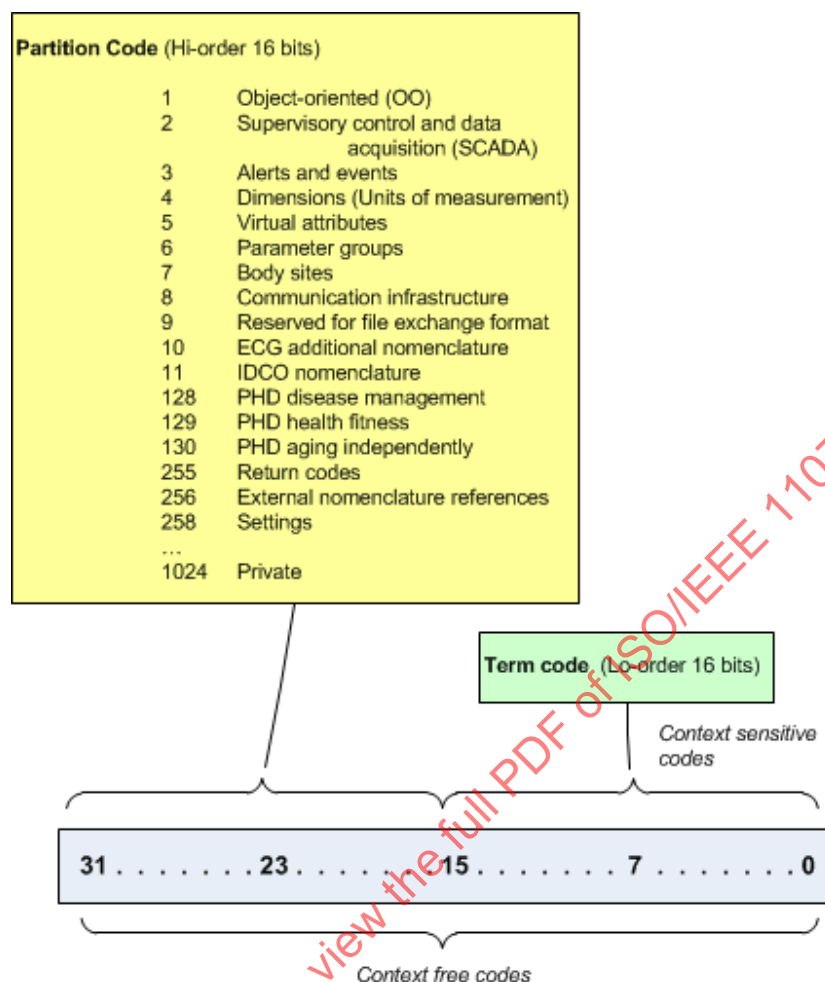


Figure 1—Context-sensitive coding illustration

Code interpretation may also be context-sensitive with respect to nomenclature versions; however, nomenclature revision coding is outside of the scope of this standard and should be provided by application PDUs during device association.

7.2.2 Grouping

Term codes may be grouped into code ranges as follows:

- A block is a group of semantics that are assigned to a contiguous term code range within a partition and that have a categorical relationship. For example, object classes, attributes, and notifications are blocks of the object-oriented partition. Blocks are prefixed as high-order bit masks that are computed by offset, typically in multiples of binary orders of magnitude, e.g., 0x1000, 0x2000, etc.
- Partitions and blocks may be designated as public or private. Syntactical conformance shall be mandatory for all partitions and blocks, but semantic conformance for private partitions or blocks shall not be mandatory. By convention, each partition should allocate private blocks consistently; the range 0xF000–0xFFFF is recommended.

- A discriminator is a group of related semantics assigned to a contiguous code range that have a regular relationship, e.g., maximum/minimum/mean or systolic/diastolic/mean. Discriminators are embedded as low-order bit code that are computed by relative offset to a base term.

For example, Table 3 is an example of a 2-bit device <type> discriminator, in which the relative offsets 0–3 correspond, respectively, with the following semantics:

- NOS, [offset=0],
- MDS class [offset=1],
- VMD class [offset=2], and
- Channel class [offset=3], respectively.

7.3 Synonyms

Terms may include synonyms for RefId (same term code) and/or term code (same RefId). In such cases the synonyms are listed together in Annex A. The preferred term is listed first and the non-preferred terms are given in *italics*. Non-preferred terms will be deprecated in future versions of this standard.

7.4 Deprecated terms

Terms periodically are deprecated for a number of reasons. Such terms shall be removed from use in production devices. Deprecated terms shall remain in RTMMS and this standard to support legacy. The RefId and term code shall not be allocated to new terms.

7.5 Withdrawn terms

When terms are found to conflict, then one or both terms are withdrawn. Withdrawn terms shall be removed from use in production devices and from legacy where practical.

8. Syntax

Nomenclature codes are intended to be mapped to machine-processable forms using various protocols (e.g., ISO/IEEE 11073-20101) and program (e.g., C++) presentation forms. However, because it is impractical to do all mappings, this standard shall provide mappings to a set of nominal forms, as follows:

- Transfer: numeric form suitable for use in transfer syntaxes; refer to 8.1.
- Programmatic: symbolic form suitable for use in programming languages; refer to 8.2.

8.1 Transfer

8.1.1 Types

There are several types of transfer forms:

- Global* corresponds with Common Management Information Protocol (CMIP) *globalForm*, i.e., is an ISO ASN.1 object identifier (OID). This form is bandwidth-intensive; therefore, complete abstract and transfer syntaxes may not be explicitly enumerated.

- b) *Local* corresponds with CMIP *localForm*, i.e., is an unsigned integer. Various canonical forms are defined as follows:
- 1) *Fixed-length* is intended to minimize bandwidth and takes two forms, as follows:
 - i) *Short*: a context-sensitive code; refer to 7.2.1. It is intended that the short form be used in real-time or monitoring applications with appropriate association controls, as defined in medical device application profile (MDAP) and interoperability of patient-connected medical devices (INTERMED) profiles, where the context of the short-form code is implied.
 - ii) *Long*: a context-free code; refer to 7.2.1. It is intended that this form be used to export nomenclatures through a gateway or persistent medium.
 - 2) *Variable-length* is intended to provide an efficient form for use with fully compliant CMIP-based syntaxes, using BER integers. Short and long forms may be presented analogous with the fixed-length form described in this subclause.

8.1.2 Notation

8.1.2.1 Notation forms

There are two forms of notation defined as reference to this standard:

- a) *OID*—Three ISO identifiers are registered to refer to this standard.
- b) *URL*—The unified resource locator for this standard is defined as the ISO published standard that corresponds to IEEE Std 11073-10101.

8.1.2.2 OID assignments

Refer to Figure 2, which lists the IEEE numbered series standards ISO ASN.1 OID assignments for this IEEE standard. This notation is recommended for future uses.

An arc in the "iso(1) ... fixedForm(0)" branch indicates that the PartitionCode-termCode scheme defined in this standard is to be used during the association; refer to Clause 7 and Figure 1 for bit maps.

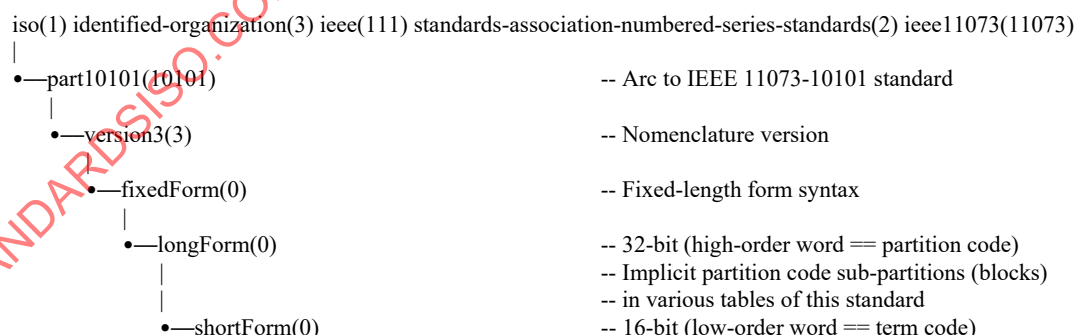


Figure 2—IEEE numbered series standards ISO ASN.1 OID assignments

Figure 3 lists the ISO ASN.1 OID assignments that were assigned in IEEE Std 11073-10101-2004. This notation remains valid for use in existing uses.

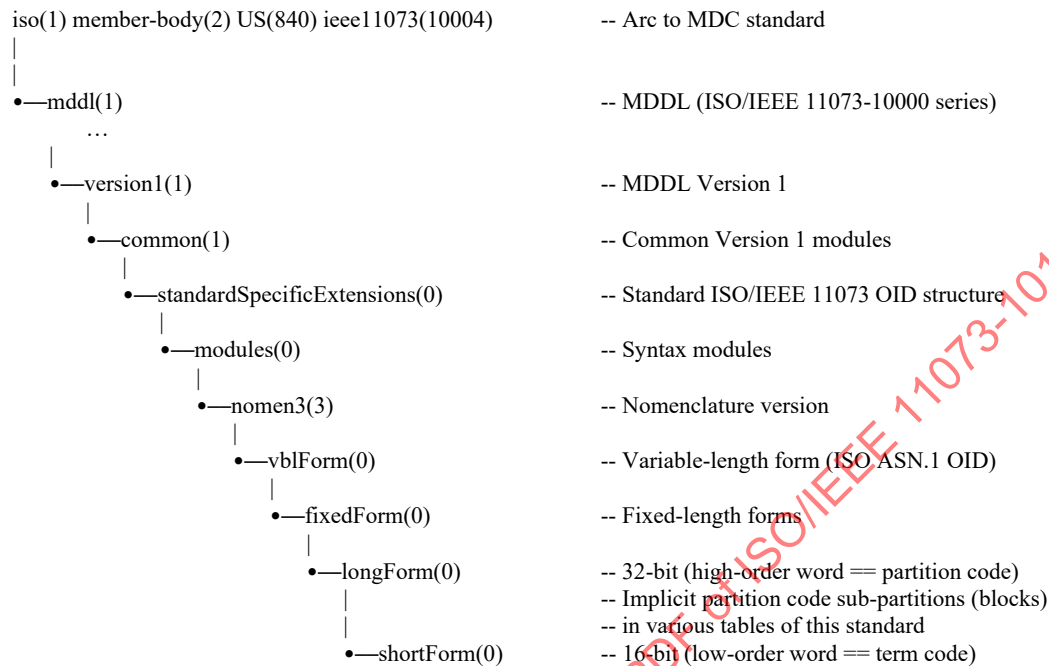


Figure 3—IEEE 11073-10101-2004 ISO ASN.1 OID assignments

Figure 4 lists the HL7 ISO ASN.1 OID assignments that are defined for nomenclature in this standard.

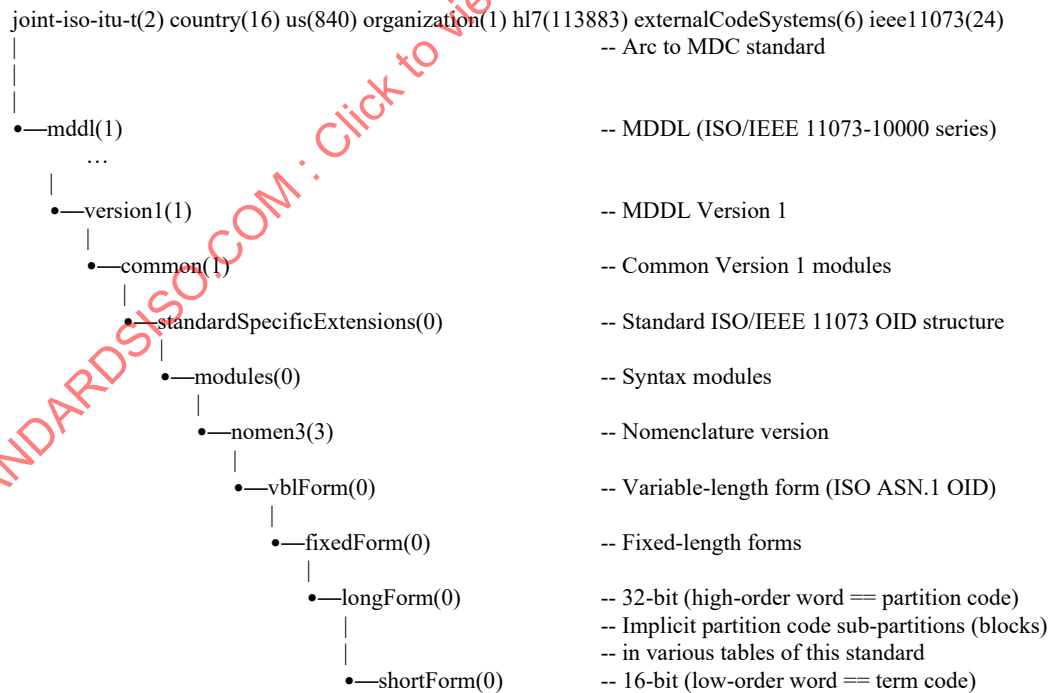


Figure 4—HL7 ISO ASN.1 OID assignments

8.1.2.3 URL

The *url* reference for this standard shall be “urn:iso:std:iso:11073:10101”. The version of the standard shall be otherwise encoded by the protocol.

8.2 Programmatic form

Programmatic, or symbolic, form is intended to be used to develop APIs in a way that applications can reuse different implementations with minimum impact on symbol mapping.

8.2.1 Attribution

The term code is used as a reference in correlating semantic and syntactical definitions through the use of additional attributes, as follows:

- *Title, or RefId*: a symbolic, programmatic form of the term. The form is correlated to the context-free code (i.e., titles are by definition context-free with respect to all other titles); all terms are prefixed with “MDC_” for consistency.

8.2.2 Notation

While there are many program bases that could be used, the C[++] language is used as a canonical basis in this standard.

Notation conventions for the C[++] programming language are as follows:

```
#define MDC_<TERM> <Term Code> /* <Acronym> */
```

where

`#define` denotes a static assignment, e.g., of the value `<c>` to the symbol `<MDC_term>`.

`MDC_<TERM>` is the nomenclature symbol (or title); the title is all uppercase.

- The prefix `MDC_` is used for all terms in this standard.
- Blocks may be identified by common prefixes, e.g., `_DEV` or `_LEAD`.
- Discriminators are identified by regular suffixes, e.g., `_MDS`, `_VMD`, or `_CHAN`; see the example that follows.

`<Term Code>` is a decimal number in the range specified during association, e.g., 0–65535 for 16-bit, context-sensitive coding.

`<Acronym>` (may be absent) is an abbreviation or may include notes.

The last component is enclosed in the syntax `/* */`, which represents a comment.

For example, the SpO₂ Analyzer `<types>` in Table 2 are represented programmatically as follows:

#define	Term Title (or RefId)	Term Code	Acronym
#define	MDC_DEV_ANALY_SAT_O2	4104	/* */
#define	MDC_DEV_ANALY_SAT_O2_MDS	4105	/* */
#define	MDC_DEV_ANALY_SAT_O2_VMD	4106	/* */
#define	MDC_DEV_ANALY_SAT_O2_CHAN	4107	/* */

The derived term titles post-fix <null>, _MDS, _VMD, and _CHAN, respectively. The <#define>, <Term Title>, and <Term Code> symbols are normative, while the comment < /* ... */ > is informative.

As these term codes are assigned to partition number 1, the context-free nomenclature codes are $1 \times 65536 + [4104 + [0,1,2,3]] \rightarrow 69640, \dots, 69643$.

9. Extensibility

Terms defined in Annex B shall not be normative unless a semantic corollary is specified in this standard. However, terms in Annex B may be reorganized for presentation, e.g., into sequential code order, as appropriate to facilitate application programming.

10. Version exporting

Each revision of this standard shall be allocated a version identifier (ID) <ver> as reference to the revision of the nomenclature:

- IEEE Std 11073-10101-2004 shall be referred as version1 <1>.
- IEEE Std 11073-10101a-2015 shall be referred as version2 <2>.
- IEEE Std 11073-10101-2019 (this revision of the standard) shall be referred as version3 <3>.

The syntax *ISO MDC* <ver>, where <ver> is the version ID, should be used when nomenclatures of this standard are used in registered external data communications standards, e.g., Health Level Seven (HL7).

The version ID <ver> for the respective versions of the ISO ASN.1 OID is shown in Figure 2, Figure 3, and Figure 4.

Information on OIDs can be accessed from the OID repository (<http://oid-info.com>), and information on a specific OID in the arc can be retrieved with the syntax <http://oid-info.com/get/<arc>>; e.g., <http://oid-info.com/get/1.3.111.2.11073> will retrieve information on the IEEE 11073 standards.

The syntax <http://oid-info.com/get/1.3.111.2.11073.10101.<ver>>, where <ver> is the version, should be used when nomenclatures of this standard are used in registered external data communications standards that require a URL, e.g., Fast Healthcare Interoperability Resource (FHIR).

Annex A

(normative)

Nomenclature semantics

A.1 Overview of nomenclature for vital signs—Semantics

Annex A presents the medical data information base (MDIB), i.e., the set of objects and object instantiations occurring in any device of the communicating system as described in the DIM (see ISO/IEEE 11073-10201). This common data dictionary is the prerequisite for interoperability of medical devices and device systems.

All subclauses in this annex that correspond to the partitions in A.2.4 contain explanatory parts to support the understanding of this approach in the design of the data dictionary. After these explanations, a code table is presented. This structuring is designed to ease and promote maintenance. The authors are well aware that despite their strong efforts for completion during development of this standard, application-specific supplements are to be expected. Comments and proposals for improvement are most welcome.

Because the number of different object-oriented modelling elements resulting from the DIM is limited, no specific nomenclature has been designed for these elements. They are listed in the tables in A.3. Regarding the demographics, there are so few that they do not deserve semantic analysis and systematic names. They are listed in several tables in A.3.2.9.

Communication infrastructure is presented in A.4 due to its close relation to the Communication Package of the DIM. A set of tables gives the terms and corresponding code values for communication infrastructure objects and attributes. Objects in these tables (e.g., the Device Interface object, the MibElement [management information base element] object) and their attributes are not part of the MDIB.

The nomenclature, i.e., the systematic names, for the terms concerning devices, metrics (measurements and enumerations), alerts, etc., is presented in A.5 through A.16.

For the nomenclature of vital signs devices, for metrics (measurements and enumerations), for body sites, for alerts, etc., systematic names have been constructed following the methodology described in the European standard CEN ENV. 12264 [B2]. The systematic name is constructed by means of generative patterns and consists of the base concept and two or three descriptors forming with the semantic links the differentiating criteria. Each differentiating criterion is built by means of a semantic link and an associated category (see Clause 7). The constituents of the systematic name are separated by vertical bars. Unused fields are left blank and identified by double bars.

In order to avoid a long list of similar terms, a variable field was employed in some terms. For instance, the signal from an electrocardiogram (ECG) obtained from different leads should be identified as ECG | I, ECG | II, ECG | III, etc. The corresponding term used in Table A.7.1.6.1 is *ECG* <lead> where <lead> stands for a general lead that has to be specified according to a separate code table.

The tables for metrics/enumerations in A.7 are mainly organized according to the target system (e.g., body compartment, body part, body function), following some anatomical systematics.

The tables in A.5 through A.16 show basically six columns: Systematic name, Common term, Acronym, Description/Definition, RefId, and Code. The common term is the name that is in common use in medicine and well-known to medical professionals. The same is true for the acronym except that it refers to the corresponding English abbreviations. Description/Definition gives a description, as precise as possible, to ensure the correct understanding. It is to be used as basic information for developing the systematic name.

A.2 Code assignment to the MDIB elements

A.2.1 Overview

The development of this standard on nomenclature was instigated by the IEEE 11073 Working Group in response to the lack of appropriate nomenclature to support medical device communication. The CEN and IEEE teams at that time collaborated on a vital signs nomenclature and coding system, which was the basis of IEEE Std 11073-10101-2004.

The IEEE 11073 nomenclature was extended by the publication of IEEE Std 11073-10101a, which has been incorporated into this revision. Further IEEE 11073 nomenclature was created to support the personal health devices family of IEEE 11073 standards, and this nomenclature has been incorporated in this revision. IEEE 11073 nomenclature is also used to support the Integrating the Healthcare Enterprise Patient Care Devices (IHE PCD) domain, and those nomenclature terms have also been incorporated in this revision of the standard.

A.2.2 Relationship to other standards

During this time, many nomenclature standards have been created to support separate clinical purposes including reporting laboratory results (LOINC), representing units of measure (UCUM), and reporting clinical data (SNOMED). These other standards are largely complementary to IEEE Std 11073-10101; however, overlap exists, and reporting IEEE 11073 medical device data in these other standards may be required. Mapping tables have been developed to support interoperability between standards. The UCUM representation has been included for each IEEE 11073 unit of measure within the tables. Mapping tables for other nomenclature standards are available separately¹⁰.

A.2.3 Basic rules

The coding of the vital signs nomenclature is based on a number of basic rules:

- a) The codes should fit within 16 bits in order to minimize the resulting message lengths. Because the vital signs nomenclature is used for communication with some very small and cost-constrained devices, it was important to try to accommodate their needs to the greatest extent possible and remain practical.
- b) As a result of the requirement to keep the codes less than 16 bits, the code space was separated into a number of context-sensitive, orthogonal spaces. As a result, the same code can mean different things depending on its context, an arrangement that is not appropriate in a more general coding effort, but works well in the context of this standard. In the general case, a prefix can be used to distinguish between similar codes; however, that practice will tend to double the size of each code.
- c) Each code space has a block of 4096 entries allocated for private use. The current nomenclature is not complete, and in addition, new relevant terms are created all the time. Therefore, space has been reserved for private codes that should be used until they are accepted as public and placed into the appropriate table.
- d) Reviewing the coding, one may find tables where the codes increment regularly, while others seem to be allocated randomly. These irregularities are generally side effects of how the codes were allocated and whether historically some term codes had already been allocated (e.g., by the original IEEE 11073 Working Group). In general, the codes are not meant to have any context, and it is dangerous to base implementations on any perceived order or range.

¹⁰ The IEEE-LOINC mapping table is available as <https://loinc.org/downloads/accessory-files/>.

- e) In some cases, it may seem that codes are missing or were skipped. This situation may be due to the following:
 - 1) Nomenclature and resulting codes may have been used in early versions of the standard, but were not required in the CEN ENV 13735 [B5] vital signs nomenclature.
 - 2) Buffer space may have been allocated for future use.
- f) In many cases, the codes will jump by a step of 2, 4, etc. This practice is done to account for entries that have discriminators, which result in an offset from a base number to fully describe them. The use of these discriminators and resulting offsets is described in more detail for each coding space (see A.2.4).

A.2.4 Coding spaces

As previously mentioned, the coding space is separated into orthogonal independent spaces. Each space can use the full 16-bit (65536 entry) coding space available. The spaces are as follows:

- Partition 1: Object-oriented elements, Device nomenclature
- Partition 2: Metrics
- Partition 3: Alerts
- Partition 4: Units of measurement (dimensions)
- Partition 5: Virtual attributes
- Partition 6: Program group
- Partition 7: Body sites
- Partition 8: Communication infrastructure
- Partition 9: Reserved for file exchange format (FEF)
- Partition 10: ECG additional nomenclature (annotated ECG)
- Partition 11: IDCO nomenclature
- Partition 128: PHD disease management
- Partition 129: PHD health fitness
- Partition 130: PHD aging independently
- Partition 255: Return codes
- Partition 256: External nomenclatures
- Partition 258: Device Settings
- Partition 514: Predicted Values
- Partition 1024: Private

All other partitions are currently unused and reserved.

A.2.4.1 Partition 1—Object-oriented elements, Device nomenclature

Partition 1 is populated with the object-oriented elements and device nomenclature codes as follows:

Table A.2.4.1.1—Partition 1—Object-oriented elements, Device nomenclature

Description	Current
Object-Oriented	0000–3999
Classes	1–1280
Attribute groups	2049–2304
Attributes	2305–3073
Actions	3074–3327
Notifications	3328–3999
Devices ^a	4000–5999
Private	61440–65535

^a Each device code is separated by a count of 4 to allocate space for the four different classes of device. These classes are defined as follows:

- 0 = Generic device
- 1 = MDS
- 2 = VMD
- 3 = Channel

A.2.4.2 Partition 2—Metrics

Partition 2 is populated with the metrics [Supervisory Control and Data Acquisition (SCADA)] nomenclature codes in Table A.2.4.2.1¹¹ as follows:

Table A.2.4.2.1—Partition 2—Metrics (multipage table)

Description	Current
ECG metrics	
ECG leads	00000–00255
ECG per-lead measurements ^b	00256–15359
ECG measurements reserved	15360–15879
ECG global measurements ^c	15880–16383
ECG diagnostic patterns ^a	16384–16447
ECG diagnostic events ^d	16448–17999
ECG diagnostic statistics ^a	18000–18431
ECG per-lead measurements ^b	34048–35363
Haemodynamic metrics	
Haemodynamic events ^c	18432–18687
Haemodynamic indices ^d	18688–18943
Haemodynamic measures ^c	18944–20479

¹¹ Notes in text, tables, and figures are given for information only and do not contain requirements needed to implement the standard.

Table A.2.4.2.1—Partition 2—Metrics (multipage table)

Description	Current
Respiratory metrics	
Respiratory events ^d	20480–20607
Respiratory measures ^e	20608–21407
Respiratory rates ^d	21408–21523
Nebulizer measures ^e	21524–22531
Ventilation modes	53280–53281
Blood gas, urine, etc., metrics	
Blood gas, urine, etc. ^e	28676–29999
Fluid-related metrics	
Fluid output ^e	26624–26684
Pump data ^e	26688–26876
Substance/Type	53396–53408
Neurological metrics	
Neurological haemodynamics ^e	22532–22563
Neurological ^e	22564–23559
Neurological patterns ^f	23560–25179
Neurological stimulation	53504–53553
Miscellaneous measurements	
Miscellaneous ^e	57348–61439
Private	61440–65535
NOTE—Most codes in the metrics partition have a discriminator that is applied to all codes in that block. However some codes have a discriminator that is an exception within their block. The specific discriminator to be applied to each code is given in Annex C.	

^a No discriminator.

^b ECG measurement codes are offset by 8 bits (256 counts) to allocate space for up to 256 different ECG lead discriminators. These are defined as follows (refer to Table A.7.1.3.2 and Table A.7.1.3.3 for the complete list):

0 = ECG lead unspecified

1 = ECG Lead I

2 = ECG Lead II

3 = ECG Lead V1

....

61 = ECG Lead III

62 = ECG Lead aVR, etc.

^c Many of the measurement codes are offset by 2 bits (4 counts) to allocate space for the following discriminators:

0 = Base measurement

1 = Systolic

2 = Diastolic

3 = Mean

^d Countable event codes are offset by 3 bits (8 counts) to allocate space for the following discriminators:

0 = Base pattern

1 = Number of occurrences of the base

2 = Rate of counted events

3 = Maximum rate of counted events

4 = Minimum rate of counted events

- 5 = Mean rate of counted events
- 6 = Time of event
- 7 = Annotation

^e These codes are offset by 2 bits (4 counts) to allocate space for the following discriminators:

- 0 = Base measurement
- 1 = Maximum
- 2 = Minimum
- 3 = Mean

^f The neurological pattern codes are offset by 3 bits (8 counts) to allocate space for the following discriminators:

- 0 = Base pattern
- 1 = Number of occurrences of the base
- 2 = Rate of counted events
- 3 = Maximum rate of counted events
- 4 = Minimum rate of counted events
- 5 = Mean rate of counted events
- 6 = Time of event
- 7 = Annotation

A.2.4.3 Partition 3—Alerts and events

Partition 3 is populated with alert/event codes as follows:

Table A.2.4.3.1—Partition 3—Alerts and events

Description	Current
Alerts/Events ^a	0000–6600
Device events	0000–0999
Pattern events	3072–3309
Status events	6144–6733
Location services events	7168–7191
Ventilator events	20576–20581
Private	61440–65535

^a Except for entries that include specific discriminators, the codes are offset by 1 bit (2 counts) to allocate space for the following discriminators:

- 0 = Refers to metric
- 1 = Refers to object

A.2.4.4 Partition 4—Units of measurement (dimensions)

Partition 4 is populated with the units of measurement codes as follows:

Table A.2.4.4.1—Partition 4—Units of measurement (dimensions)

Description	Current
Units of measurement ^a	00000–06047
Private	61440–65535

^a Each unit of measurement code is separated by a count of 32 to allocate space for the various orders of magnitude. These orders of magnitude are defined as follows (refer to Table A.6.1 for the complete list):

0 = 10 ⁰	1 = 10 ¹	2 = 10 ²
3 = 10 ³		16 = 10 ⁻¹
17 = 10 ⁻²	18 = 10 ⁻³	19 = 10 ⁻⁴ , etc.

A.2.4.5 Partition 5—Virtual attributes

Partition 5 is populated with virtual attributes codes.

A.2.4.6 Partition 6—Program group

Partition 6 is populated with the program group codes.

Table A.2.4.6.1—Partition 6—Program group

RefId	Part::Code
MDC_PGRP_HEMO	6::513
MDC_PGRP_ECG	6::514
MDC_PGRP_RESP	6::515
MDC_PGRP_VENT	6::516
MDC_PGRP_NEURO	6::517
MDC_PGRP_DRUG	6::518
MDC_PGRP_FLUID	6::519
MDC_PGRP_BLOOD_CHEM	6::520
MDC_PGRP_MISC	6::521

A.2.4.7 Partition 7—Body sites

Partition 7 is populated with the body sites codes as follows:

Table A.2.4.7.1—Partition 7—Body sites

Description	Current
Body sites	0000–1810
Neuro nerves ^a	0000–0246
Neuro muscles ^a	0248–0994
Electroencephalogram (EEG) ^a	0996–1318
Electrooculogram (EOG) ^a	1320–1402
Neuro monitoring	1404–1422
Cardio ^a	1424–1506
Coronary arteries ^a	1812–1840
Miscellaneous sites ^a	1508–1810
Head region ^a	1844–1662
Gas measurement sites ^b	2048–2097
Body site qualifier ^b	8193–8271
Private	61440–65535

^a Except for entries that include specific discriminators, the codes are offset by 2 bits (4 counts) to allocate space for the following discriminators:

- 0 = Orientation - nominal
- 1 = Orientation - left
- 2 = Orientation - right

^b No discriminator.

A.2.4.8 Partition 8—Communication infrastructure

Partition 8 is populated with communication infrastructure codes as follows:

Table A.2.4.8.1—Partition 8—Communication infrastructure

Description	Current
Infrastructure	0000–8197
Private	61440–65535

A.2.4.9 Partition 9—Reserved for file exchange format (FEF)

Partition 9 is reserved for FEF codes as follows:

Table A.2.4.9.1—Partition 9—Reserved for file exchange format (FEF)

Description	Reserved
FEF	0000–61439
Private	61440–65535

A.2.4.10 Partition 10—ECG additional nomenclature (annotated ECG)

Partition 10 is populated with annotated ECG codes as follows:

Table A.2.4.10.1—Partition 10—ECG additional nomenclature (annotated ECG)

Description	Reserved
Annotated ECG	0000–61439
Private	61440–65535

The full set of nomenclature is given in IEEE Std 11073-10102-2012.

A.2.4.11 Partition 11—IDCO nomenclature

Partition 11 is populated with implantable cardiac device (ICDO) codes as follows:

Table A.2.4.11.1—Partition 11—IDCO nomenclature

Description	Reserved
ICDO	0000–61439
Private	61440–65535

The full set of nomenclature is given in IEEE Std 11073-10103-2012.

A.2.4.12 Partition 128—PHD disease management

Partition 128 is populated with personal health device (PHD) disease management codes as follows:

Table A.2.4.12.1—Partition 128—PHD disease management

Description	Reserved
PHD DM	0000–61439
Basic ECG	21976–21999
SABTE	22100–22571
Glucose meter	29144–29288
INR	29300–29319
Insulin pump	29400–29414
Continuous glucose meter	29428–29836
Battery status	29904–30032
Peak Expiratory Flow Meter	30720–30720
Private	61440–65535

A.2.4.13 Partition 129—PHD health and fitness

Partition 129 is populated with personal health device (PHD) health and fitness (HF) codes as follows:

Table A.2.4.13.1—Partition 129—PHD health and fitness

Description	Reserved
PHD HF	0000–61439
Private	61440–65535

A.2.4.14 Partition 130—PHD aging independently

Partition 130 is populated with personal health device (PHD) aging independently (AI) codes as follows:

Table A.2.4.14.1—Partition 130—PHD aging independently

Description	Reserved
PHD AI	0000–61439
Sensors ^a	0001–0020
Measurements ^b	0016–0127
Location ^c	1024–4543 9216–11743 20000–22335
Appliance ^c	7168–8672
Medical location ^c	35000–35491
Events ^c	55000–55141
Medication monitor ^a	13312–13320
Private	61440–65535

^a No discriminator.

^b These codes are offset by 2 bits (4 counts) to allocate space for the following discriminators:

- 0 = Base measurement
- 1 = Maximum
- 2 = Minimum
- 3 = Mean

^c These codes are offset by 5 bits (32 counts) to allocate space to designate a specific instance of a location.

A.2.4.15 Partition 255—Return codes

Partition 255 is populated with return code values as follows:

Table A.2.4.15.1—Partition 255—Return codes

Description	Reserved
Return codes	0000–61439
Private	61440–65535

A.2.4.16 Partition 256—External nomenclatures

Partition 256 is populated with external nomenclature codes as follows:

Table A.2.4.16.1—Partition 256—External nomenclatures

Description	Current
External nomenclatures ^a	0000–1600
Private	61440–65535

^a The codes are offset by 6 bits (64 counts) to allocate space for the various new revisions of one external nomenclature.

A.2.4.17 Partition 258—Device Settings

Partition 258 is populated with codes for device settings as follows:

Table A.2.4.17.1—Partition 258—Settings

Description	Reserved
Settings ^a	0000–61439
Private	61440–65535

^a The device setting term code is the equivalent measurement term code. See A.7.4.19 for details.

A.2.4.17.1 The device SETTING convention

Device setting identifiers are derived from the corresponding observation identifiers by appending ‘_SETTING’ to the RefId and adding 0x01000000 to the Partition::Code. For example, the observed ventilator respiration rate is MDC_VENT_RESP_RATE [2::20514] and the corresponding setting is MDC_VENT_RESP_RATE_SETTING [258::20514], where the upper 16-bit partition value of 258 is 0x0100 + 2. This convention may be applied to any observation identifier in the SCADA partition.

A.2.4.18 Partition 514—Predicted values

Partition 514 is populated with codes for predicted values as follows:

Table A.2.4.18.1—Partition 514—Predicted values

Description	Reserved
Predicted values ^a	0000–61439
Private	61440–65535

^a The predicted value term code is the equivalent measurement term code. See A.7.4.19 for details.

A.2.4.18.1 The PREDICTED VALUE convention

Predicted value identifiers are derived from the corresponding observation identifiers by appending ‘_PRED’ to the RefId and adding 0x02000000 to the Partition::Code. For example, the observed spirometry RefId is MDC_RATIO_AWAY_EXP_FORCED_FEV1_FEV6 [2::57864] and the corresponding predicted value is MDC_RATIO_AWAY_EXP_FORCED_FEV1_FEV6_PRED [514::57864], where the upper 16-bit partition value of 514 is 0x0200 + 2. This convention may be applied to any observation identifier in the SCADA partition.

A.2.4.19 Partition 1024—Private

Partition 1024 is reserved for private codes as follows:

Table A.2.4.19.1—Partition 1024—Private

Description	Reserved
Private	0000–61439
Private	61440–65535

A.3 Data dictionary and codes for object-oriented modeling elements (Partition 1)

A.3.1 Introduction

The purpose of this inventory is to provide a schematic presentation and identification scheme for all types of object-oriented modeling elements used in the DIM (see ISO/IEEE 11073-10201 and ISO/IEEE 11073-20601). These elements build up the different parts (subject areas or “packages”) of the DIM that refer to separate application areas.

- a) The tables in A.3 are ordered following the order of subject areas in the DIM:

- 1) General (or Top object in the DIM)
- 2) Medical Package
- 3) Alert Package
- 4) System Package
- 5) Control Package
- 6) Extended Services Package
- 7) Communication Package
- 8) Archival Package
- 9) Patient Package
- 10) Personal Health Devices
- 11) Waveform Content Module
- 12) Location Services
- 13) HL7 V2 OBR-4 Universal Service Indicators
- 14) Deprecated Identifiers

For the communication infrastructure (Partition 8) objects and attributes that are closely related to the Communication Package, but use a different partition (see A.2.4.8), a separate set of tables is provided in A.4.

- b) For each of the subject areas, a set of five separate tables for the different types of object-oriented modeling elements used in the DIM is provided:
- 1) Object class items
 - 2) Attributes
 - 3) Attribute groups
 - 4) Behavior (methods)
 - 5) Notifications
- c) In order to enhance readability and usability of the tables, the scheme

**Table A.3.x.x.x—Object-oriented modeling elements:
[subject area]—[object-oriented modeling element type]**

is applied strictly in numbering the tables (even accepting that some tables remain empty).

Thus, to give an example, in Table A.3.2.9.2 for the Patient Package (subject area 9), the attributes (object-oriented modeling element type 2) are given.

- d) The name of the object-oriented modeling element item as introduced in the DIM appears in the first column, DIM name, of each table. The second column, RefId, provides equivalent systematic acronyms that allow direct mapping onto the MDIB database, which is also used for ISO/IEEE 11073 standardization activities in this field. The content of the third column in the object class item tables differs from all other tables (see next two paragraphs). The fourth column, Code, contains the corresponding codes from this database for each item, as far as exist at publication of this standard.

For the object class item tables (A.3.2.*.1), the third column, Derived from, refers to the inheritance relation between each item and the object class item from which it is derived. The virtual object class item at the top of the inheritance hierarchy is denoted *Top*.

For all other tables (A.3.2.*.2–A.3.2.*.5), the third column, Belongs to object, indicates the assignment of attribute groups, attributes, notifications, or methods to corresponding object class items.

- e) For structural reasons related to the DIM, attributes or attribute groups are in some cases used with different objects that are not derived from each other by inheritance. This situation leads to duplicated terms that may cause problems when automated queries require unique matches, especially for table updates or changes. Therefore, duplicated or multiple terms are generally marked by an asterisk (*). Only the first occurrence of such a term is regarded as a code and RefId definition and is marked by **bold letters** for the DIM name, the referenced object in the third column, and the code, as shown in the following example:

Start-Time *	MDC_ATTR_TIME_START	Metric and derived objects, Session Archive, Session Test, Session Notes	1::2538

In addition to the asterisk on the DIM name, all further occurrences of the term explicitly refer to this first occurrence (by the expression: “see: <referenced object>/<subject area>” in the first column). The referenced object in the third column again is in **bold letters**, and the code value is set in parentheses (<code>), as shown in the following example:

Start-Time * (see: Metric/Medical Package)	MDC_ATTR_TIME_START	Metric and derived objects, Session Archive, Session Test, Session Notes	(1::2538)

This scheme is intended to be appropriate for the work with both the DIM and the MDIB.

A.3.2 Object-oriented modeling elements: inventory tables

A.3.2.1 General

Table A.3.2.1.1—Object-oriented modeling elements—General—object class items

DIM name	RefId	Derived from	Part::Code
Top	MDC_MOC_TOP		1::70

Table A.3.2.1.2—Object-oriented modeling elements—General—attributes

DIM name	RefId	Belongs to object	Part::Code
Class	MDC_ATTR_CLASS	Top and derived objects	1::2491
Name-Binding	MDC_ATTR_NAME_BINDING	Top and derived objects	1::2510
Locale	MDC_ATTR_LOCALE	Top and derived objects	1::2600

Table A.3.2.1.3—Object-oriented modeling elements—General—attribute groups

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1), empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.1.4—Object-oriented modeling elements—General—behavior

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1), empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.1.5—Object-oriented modeling elements—General—notifications

DIM name	RefId	Belongs to object	Part::Code
Non-Specific	MDC_NOTI_NOS	Top and derived objects	1::3328
Attribute-Update	MDC_NOTI_ATTR_UPDT	Top and derived objects	1::3330

A.3.2.2 Medical Package**Table A.3.2.2.1—Object-oriented modeling elements—Medical Package—object class items**

DIM name	RefId	Derived from	Part::Code
VMO	MDC_MOC_VMO	Top	1::1
VMD	MDC_MOC_VMO_VMD	VMO	1::2
Channel	MDC_MOC_VMO_CHAN	VMO	1::3
Metric	MDC_MOC_VMO_METRIC	VMO	1::4
Numeric	MDC_MOC_VMO_METRIC_NU	Metric	1::6
Sample Array	MDC_MOC_VMO_METRIC_SA	Metric	1::7
Real Time Sample Array	MDC_MOC_VMO_METRIC_SA_RT	Sample Array	1::9
Time Sample Array	MDC_MOC_VMO_METRIC_SA_T	Sample Array	1::10
Distribution Sample Array	MDC_MOC_VMO_METRIC_SA_D	Sample Array	1::8
Enumeration	MDC_MOC_VMO_METRIC_ENUM	Metric	1::5
PM-Store	MDC_MOC_VMO_PMSTORE	VMO	1::61
PM-Segment	MDC_MOC_PM_SEGMENT	Top	1::62
Complex Metric	MDC_MOC_VMO_METRIC_CMPLX	Metric	1::79

Table A.3.2.2.2—Object-oriented modeling elements—Medical Package—attributes (*multipage table*)

DIM name	RefId	Belongs to object	Part::Code
Type	MDC_ATTR_ID_TYPE	VMO and derived objects	1::2351
Handle *	MDC_ATTR_ID_HANDLE	VMO and derived objects, VMS and derived objects, Log and derived objects, Battery, Scanner and derived objects, Discriminator, Multipatient Archive, Patient Archive, Session Archive, Session Test, Session Notes, Physician, Patient Demographics	1::2337
	MDC_ATTR_ID_TYPE_ACT	VMO and derived objects	1::2352
	MDC_ATTR_ID_LABEL	VMO and derived objects	1::2340
	MDC_ATTR_ID_LABEL_ACT	VMO and derived objects	1::2341
	MDC_ATTR_ID_LABEL_HELP	VMO and derived objects	1::2342
Label	MDC_ATTR_ID_LABEL_STRING	VMO and derived objects	1::2343
Ext-Obj-Relations *	MDC_ATTR_EXT_OBJ_RELATION	VMO and derived objects, VMS and derived objects	1::2499
Vmd-Status	MDC_ATTR_VMD_STAT	VMD and derived objects	1::2466
Vmd-Model *	MDC_ATTR_ID_MODEL	VMD and derived objects, VMS and derived objects	1::2344
Instance-Number *	MDC_ATTR_ID_INSTNO	VMD and derived objects, PM-Segment, Operation and derived objects, Scanner and derived objects	1::2338
Production-Specification *	MDC_ATTR_ID_PROD_SPECN	VMD and derived objects, VMS and derived objects, Battery	1::2349
Compatibility-Id *	MDC_ATTR_ID_COMPAT	VMD and derived objects, VMS and derived objects	1::2336
Parameter-Group	MDC_ATTR_ID_PARAM_GRP	VMD and derived objects, Channel	1::2346
Position	MDC_ATTR_ID_POSN	VMD and derived objects	1::2348
Operating-Hours	MDC_ATTR_TIME_PD_OP_HRS	VMD and derived objects	1::2444
Operation-Cycles	MDC_ATTR_CYC_OP	VMD and derived objects	1::2325
Measurement-Principle	MDC_ATTR_MSMT_PRINCIPLE	VMD and derived objects, Channel	1::2560
Channel-Id	MDC_ATTR_CHAN_ID	Channel	1::2318
Channel-Status	MDC_ATTR_CHAN_STAT	Channel	1::2320
Physical-Channel-Number	MDC_ATTR_CHAN_NUM_PHYS	Channel	1::2319
Logical-Channel-Number	MDC_ATTR_CHAN_NUM_LOGICAL	Channel	1::2606
Physical-Channel-Label	MDC_ATTR_ID_CHAN_NUM_PHYS	Channel	1::2335
Color	MDC_ATTR_COLOR	Channel, Metric and derived objects	1::2321
Metric-Specification	MDC_ATTR_METRIC_SPECN	Metric and derived objects	1::2367

Table A.3.2.2.2—Object-oriented modeling elements—Medical Package—attributes (multipage table)

DIM name	RefId	Belongs to object	Part::Code
Max-Delay-Time	MDC_ATTR_DELAY_TIME_MAX	Metric and derived objects	1::2583
Metric-Status	MDC_ATTR_METRIC_STAT	Metric and derived objects	1::2368
Measurement-Status	MDC_ATTR_MSMT_STAT	Metric and derived objects	1::2375
Metric-Id	MDC_ATTR_ID_TYPE_METRIC_STA T	Metric and derived objects, PM-Segment	1::2353
Metric-Id-Ext	MDC_ATTR_ID_MSMT_EXT	Metric and derived objects, PM-Store	1::2502
Unit-Code *	MDC_ATTR_UNIT_CODE	Metric and derived objects, Set Value Operation, Limit Alert Operation	1::2454
Unit-Label-String	MDC_ATTR_UNIT_LABEL_STRING	Metric and derived objects	1::2457
Vmo-Source-List	MDC_ATTR_VMO_LIST_SRC	Metric and derived objects	1::2467
Metric-Source-List	MDC_ATTR_METRIC_LIST_SRC	Metric and derived objects	1::2366
Msmt-Site-List	MDC_ATTR_SITE_LIST_MSMT	Metric and derived objects	1::2430
Msmt-Site-List-Ext	MDC_ATTR_SITE_LIST_MSMT_EXT	Metric and derived objects	1::2551
Body-Site-List	MDC_ATTR_SITE_LIST_BODY	Metric and derived objects	1::2429
Body-Site-List-Ext	MDC_ATTR_SITE_LIST_BODY_EXT	Metric and derived objects	1::2550
Metric-Calibration	MDC_ATTR_METRIC_CALIB	Metric and derived objects	1::2362
Measure-Mode	MDC_ATTR_MODE_MSMT	Metric and derived objects	1::2373
Measure-Period	MDC_ATTR_TIME_PD_MSMT	Metric and derived objects	1::2443
Averaging-Period	MDC_ATTR_TIME_PD_AVG	Metric and derived objects	1::2535
Start-Time *	MDC_ATTR_TIME_START	Metric and derived objects, Session Archive, Session Test, Session Notes	1::2538
Stop-Time *	MDC_ATTR_TIME_STOP	Metric and derived objects, Session Archive, Session Test, Session Notes	1::2539
Metric-Info-Label	MDC_ATTR_METRIC_INFO_LABEL	Metric and derived objects	1::2364
Metric-Info-Label-String	MDC_ATTR_METRIC_INFO_LABEL_ STR	Metric and derived objects	1::2365
Substance	MDC_ATTR_ID_SUBSTANCE	Metric and derived objects	1::2542
Substance-Label-String	MDC_ATTR_ID_SUBSTANCE_LABEL_ STRING	Metric and derived objects	1::2508

Table A.3.2.2.2—Object-oriented modeling elements—Medical Package—attributes (multipage table)

DIM name	RefId	Belongs to object	Part::Code
Nu-Observed-Value	MDC_ATTR_NU_VAL_OBS	Numeric and derived objects	1::2384
Compound-Nu-Observed-Value	MDC_ATTR_NU_CMPD_VAL_OBS	Numeric and derived objects	1::2379
Absolute-Time-Stamp	MDC_ATTR_TIME_STAMP_ABS	Numeric, Time Sample Array, Distribution Sample Array, Enumeration and derived objects	1::2448
Relative-Time-Stamp	MDC_ATTR_TIME_STAMP_REL	Numeric, Time Sample Array, Distribution Sample Array, Enumeration and derived objects	1::2449
HiRes-Time-Stamp	MDC_ATTR_TIME_STAMP_REL_HI_RES	Numeric and derived objects, Time Sample Array, Distribution Sample Array, Enumeration and derived objects	1::2537
Nu-Measure-Range	MDC_ATTR_NU_RANGE_MSMT	Numeric and derived objects	1::2382
Nu-Physiological-Range	MDC_ATTR_NU_RANGE_PHYSIO	Numeric and derived objects	1::2383
Nu-Measure-Resolution	MDC_ATTR_NU_MSMT_RES	Numeric and derived objects	1::2381
Display-Resolution	MDC_ATTR_DISP_RES	Numeric and derived objects	1::2327
Accuracy	MDC_ATTR_NU_ACCUR_MSMT	Numeric and derived objects	1::2378
Sa-Observed-Value	MDC_ATTR_SA_VAL_OBS	Sample Array and derived objects	1::2414
Compound-Sa-Observed-Value	MDC_ATTR_SA_CMPD_VAL_OBS	Sample Array and derived objects	1::2407
Sa-Specification	MDC_ATTR_SA_SPECN	Sample Array and derived objects	1::2413
Sa-Marker-List	MDC_ATTR_SA_MARKER_LIST_I8 MDC_ATTR_SA_MARKER_LIST_I16 MDC_ATTR_SA_MARKER_LIST_I32	Sample Array and derived objects	1::2603 1::2582 1::2604
Dsa-Marker-List	MDC_ATTR_DSA_MARKER_LIST	Sample Array and derived objects	1::2605
Compression	MDC_ATTR_COMPRES	Sample Array and derived objects	1::2322
Scale-and-Range-Specification	MDC_ATTR_SCALE_SPECN_I8 MDC_ATTR_SCALE_SPECN_I16 MDC_ATTR_SCALE_SPECN_I32	Sample Array and derived objects	1::2417 1::2415 1::2416
Sa-Physiological-Range	MDC_ATTR_SA_RANGE_PHYS_I8 MDC_ATTR_SA_RANGE_PHYS_I16 MDC_ATTR_SA_RANGE_PHYS_I32	Sample Array and derived objects	1::2412 1::2410 1::2411
Visual-Grid	MDC_ATTR_GRID_VIS_I8 MDC_ATTR_GRID_VIS_I16 MDC_ATTR_GRID_VIS_I32	Sample Array and derived objects	1::2332 1::2330 1::2331
Sa-Calibration-Data	MDC_ATTR_SA_CALIB_I8 MDC_ATTR_SA_CALIB_I16 MDC_ATTR_SA_CALIB_I32	Sample Array and derived objects	1::2406 1::2404 1::2405

Table A.3.2.2.2—Object-oriented modeling elements—Medical Package—attributes (multipage table)

DIM name	RefId	Belongs to object	Part::Code
Filter-Specification	MDC_ATTR_FILTER_SPECN	Sample Array and derived objects	1::2329
Filter-Label-String	MDC_ATTR_FILTER_LABEL_STRING	Sample Array and derived objects	1::2626
Sa-Signal-Frequency	MDC_ATTR_SA_FREQ_SIG	Sample Array and derived objects	1::2408
Sa-Measure-Resolution	MDC_ATTR_SA_MSMT_RES	Sample Array and derived objects	1::2409
Sample-Period	MDC_ATTR_TIME_PD_SAMP	Real Time Sample Array, Time Sample Array, PM-Store	1::2445
Sweep-Speed	MDC_ATTR_SPD_SWEEP_DEFAULT	Real Time Sample Array, Time Sample Array	1::2431
Tsa-Marker-List	MDC_ATTR_TSA_MARKER_LIST	Time Sample Array	1::2452
Distribution-Range-Specification	MDC_ATTR_RANGE_DISTRIB	Distribution Sample Array	1::2403
x-Unit-Code	MDC_ATTR_UNIT_CODE_X	Distribution Sample Array	1::2455
x-Unit-Label-String	MDC_ATTR_UNIT_LABEL_STRING_X	Distribution Sample Array	1::2458
Enum-Observed-Value	MDC_ATTR_VAL_ENUM_OBS	Enumeration	1::2462
Compound-Enum-Observed-Value	MDC_ATTR_VAL_ENUM_OBS_CMPD	Enumeration	1::2463
Enum-Measure-Range	MDC_ATTR_ENUM_RANGE_MSMT	Enumeration	1::2561
Enum-Measure-Range-Bit-String	MDC_ATTR_ENUM_RANGE_MSMT_BIT_STRING	Enumeration	1::2568
Enum-Measure-Range-Labels	MDC_ATTR_ENUM_RANGE_MSMT_LABELS	Enumeration	1::2627
Enum-Additional-Data	MDC_ATTR_ENUM_ADD_DATA	Enumeration	1::2498
Metric-Class	MDC_ATTR_METRIC_CLASS	PM-Store	1::2363
Store-Sample-Algorithm	MDC_ATTR_METRIC_STORE_SAMPLE_ALG	PM-Store	1::2371
Storage-Format	MDC_ATTR_METRIC_STORE_FORMAT	PM-Store	1::2370
Store-Capacity-Count	MDC_ATTR_METRIC_STORE_CAPACITY_CNT	PM-Store	1::2369
Store-Usage-Count	MDC_ATTR_METRIC_STORE_USAGE_CNT	PM-Store	1::2372
Operational-State*	MDC_ATTR_OP_STAT	PM-Store , Operation and derived objects, Scanner and derived objects, Discriminator	1::2387
Number-of-Segments	MDC_ATTR_NUM_SEG	PM-Store	1::2385
Vmo-Global-Reference	MDC_ATTR_VMO_REF_GLB	PM-Segment	1::2469
Segment-Start-Abs-Time	MDC_ATTR_TIME_START_SEG	PM-Segment	1::2450
Segment-End-Abs-Time	MDC_ATTR_TIME_END_SEG	PM-Segment	1::2442
Segment-Usage-Count	MDC_ATTR_SEG_USAGE_CNT	PM-Segment	1::2427
Segment-Data	MDC_ATTR_SEG_DATA_GEN MDC_ATTR_SEG_DATA_NU_OPT MDC_ATTR_SEG_DATA_RTSA_OPT	PM-Segment	1::2424 1::2425 1::2426
Average-Reporting-Delay	MDC_ATTR_REPORTING_DELAY_AVG	Real Time Sample Array	1::2616

Table A.3.2.2.2—Object-oriented modeling elements—Medical Package—attributes *(multipage table)*

DIM name	RefId	Belongs to object	Part::Code
Sample-Time-Sync	MDC_ATTR_SAMPLE_TIME_SYNC	Real Time Sample Array	1::2617
HiRes-Sample-Time-Sync	MDC_ATTR_SAMPLE_TIME_SYNC_H IRES	Real Time Sample Array	1::2618
Cmplx-Metric-Info	MDC_ATTR_CMPLX_INFO	Complex Metric	1::2619
Cmplx-Observed-Value	MDC_ATTR_CMPLX_VAL_OBS	Complex Metric	1::2620
Cmplx-Dyn-Attr	MDC_ATTR_CMPLX_DYN_ATTR	Complex Metric	1::2621
Cmplx-Static-Attr	MDC_ATTR_CMPLX_STATIC_ATTR	Complex Metric	1::2622
Cmplx-Recursion-Depth	MDC_ATTR_CMPLX_RECURSION_D EPTH	Complex Metric	1::2623

Table A.3.2.2.3—Object-oriented modeling elements—Medical Package—attribute groups

DIM name	RefId	Belongs to object	Part::Code
VMO Static Context Group *	MDC_ATTR_GRP_VMO_STATIC	VMO and derived objects, SCO and derived objects	1::2065
VMO Dynamic Context Group *	MDC_ATTR_GRP_VMO_DYN	VMO and derived objects, SCO and derived objects	1::2064
Relationship Attribute Group *	MDC_ATTR_GRP_RELATION	VMO and derived objects, VMS and derived objects	1::2072
VMD Application Attribute Group	MDC_ATTR_GRP_VMD_APPL	VMD and derived objects	1::2062
VMD Production Attribute Group	MDC_ATTR_GRP_VMD_PROD	VMD and derived objects	1::2063
Metric Observed Value Group	MDC_ATTR_GRP_METRIC_VAL_OB S	Metric and derived objects	1::2051
PM-Store Attribute Group	MDC_ATTR_GRP_PMSTORE	Persistent Metric Store	1::2054

Table A.3.2.2.4—Object-oriented modeling elements—Medical Package—behavior

DIM name	RefId	Belongs to object	Part::Code
Clear-Segments	MDC_ACT_SEG_CLR	PM-Store	1::3084
Get-Segments	MDC_ACT_SEG_GET	PM-Store	1::3085
Get-Segment-Info	MDC_ACT_SEG_GET_INFO	PM-Store	1::3086

Table A.3.2.2.5—Object-oriented modeling elements—Medical Package—notifications

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

A.3.2.3 Alert Package**Table A.3.2.3.1—Object-oriented modeling elements—Alert Package—object class items**

DIM name	RefId	Derived from	Part::Code
Alert	MDC_MOC_VMO_AL	VMO	1::52
Alert Status	MDC_MOC_VMO_AL_STAT	VMO	1::53
Alert Monitor	MDC_MOC_VMO_AL_MON	VMO	1::54

Table A.3.2.3.2—Object-oriented modeling elements—Alert Package—attributes

DIM name	RefId	Belongs to object	Part::Code
Alert-Condition	MDC_ATTR_AL_COND	Alert	1::2476
Limit-Specification	MDC_ATTR_AL_LIMIT	Alert	1::2477
Vmo-Reference *	MDC_ATTR_VMO_REF	Alert, SCO, Operation and derived objects	1::2468
Alert-Capab-List	MDC_ATTR_AL_STAT_AL_C_LIST	Alert Status	1::2312
Tech-Alert-List	MDC_ATTR_AL_STAT_T_AL_LIST	Alert Status	1::2315
Physio-Alert-List	MDC_ATTR_AL_STAT_P_AL_LIST	Alert Status	1::2314
Limit-Spec-List	MDC_ATTR_AL_LIMIT_SPEC_LIST	Alert Status, Alert Monitor	1::2305
Device-Alert-Condition	MDC_ATTR_DEV_AL_COND	Alert Monitor	1::2326
Device-P-Alarm-List	MDC_ATTR_AL_MON_P_AL_LIST	Alert Monitor	1::2306
Device-T-Alarm-List	MDC_ATTR_AL_MON_T_AL_LIST	Alert Monitor	1::2308
Device-Sup-Alarm-List	MDC_ATTR_AL_MON_S_AL_LIST	Alert Monitor	1::2307
Suspension-Period	MDC_ATTR_TIME_PD_AL_SUSP	Alert Monitor	1::2446

Table A.3.2.3.3—Object-oriented modeling elements—Alert Package—attribute groups

DIM name	RefId	Belongs to object	Part::Code
VMO Static Context Group * (see: VMO/Medical Package)	MDC_ATTR_GRP_VMO_STATIC	VMO and derived objects, SCO and derived objects	(1::2065)
VMO Dynamic Context Group * (see: VMO/Medical Package)	MDC_ATTR_GRP_VMO_DYN	VMO and derived objects, SCO and derived objects	(1::2064)
Alert Group	MDC_ATTR_GRP_AL	Alert	1::2067
Alert Status Group	MDC_ATTR_GRP_AL_STAT	Alert Status	1::2050
Alert Monitor Group	MDC_ATTR_GRP_AL_MON	Alert Monitor	1::2049

Table A.3.2.3.4—Object-oriented modeling elements—Alert Package—behavior

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.3.5—Object-oriented modeling elements—Alert Package—notifications

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

A.3.2.4 System Package**Table A.3.2.4.1—Object-oriented modeling elements—System Package—object class items**

DIM name	RefId	Derived from	Part::Code
VMS	MDC_MOC_VMS	Top	1::32
MDS	MDC_MOC_VMS_MDS	VMS	1::33
Simple MDS	MDC_MOC_VMS_MDS_SIMP	MDS	1::37
Hydra MDS	MDC_MOC_VMS_MDS_HYD	MDS	1::36
Composite Single Bed MDS	MDC_MOC_VMS_MDS_COMPOS_SI NGLE_BED	MDS	1::35
Composite Multiple Bed MDS	MDC_MOC_VMS_MDS_COMPOS_M ULTI_BED	MDS	1::34
Log	MDC_MOC_LOG	Top	1::38
Log error	MDC_MOC_LOG_ERR	Log	1::39
Log server	MDC_MOC_LOG_SERV	Log	1::40
Event Log	MDC_MOC_LOG_EVENT	Log	1::72
Battery	MDC_MOC_BATT	Top	1::41
Clock	MDC_MOC_CLOCK	Top	1::78

**Table A.3.2.4.2—Object-oriented modeling elements—System Package—
attributes** (*multipage table*)

DIM name	RefId	Belongs to object	Part::Code
Handle * (see: VMO/ Medical Package)	MDC_ATTR_ID_HANDLE	VMO and derived objects, VMS and derived objects, Log and derived objects, Battery, Scanner and derived objects, Discriminator, Multipatient Archive, Patient Archive, Session Archive, Session Test, Session Notes, Physician, Patient Demographics	(1::2337)
System-Type	MDC_ATTR_SYS_TYPE	VMS and derived objects	1::2438
System-Model * (see: VMD Model/VMD/Medical Package)	MDC_ATTR_ID_MODEL	VMD and derived objects, VMS and derived objects	(1::2344)
System-Id *	MDC_ATTR_SYS_ID	VMS and derived objects, Multipatient Archive, Patient Archive	1::2436
Compatibility-Id * (see: VMD/Medical Package)	MDC_ATTR_ID_COMPAT	VMD and derived objects, VMS and derived objects	(1::2336)
Nomenclature-Version	MDC_ATTR_NOM_VERS	VMS and derived objects	1::2376
System-Capability	MDC_ATTR_SYS_CAPAB	VMS and derived objects	1::2435

Table A.3.2.4.2—Object-oriented modeling elements—System Package—attributes (multipage table)

DIM name	RefId	Belongs to object	Part::Code
System-Specification	MDC_ATTR_SYS_SPECN	VMS and derived objects	1::2437
Production-Specification * (see: VMD/Medical Package)	MDC_ATTR_ID_PROD_SPECN	VMD and derived objects, VMS and derived objects, Battery	(1::2349)
UdiSpec	MDC_ATTR_ID_UDI	MDS and derived objects	1::2380
Ext-Obj-Relations * (see: VMO/Medical Package)	MDC_ATTR_EXT_OBJ_RELATION	VMO and derived objects, VMS and derived objects	(1::2499)
Mds_localization	MDC_ATTR_VMS_MDS_LOCALIZN	MDS and derived objects	1::2470
Mds-Status	MDC_ATTR_VMS_MDS_STAT	MDS and derived objects	1::2471
Mds-Text-Cat	MDC_ATTR_VMS_MDS_TEXT_CAT	MDS and derived objects	1::2472
Bed-Label	MDC_ATTR_ID_BED_LABEL	MDS and derived objects	1::2334
Soft-Id	MDC_ATTR_ID_SOFT	MDS and derived objects	1::2350
Operating-Mode ^a	MDC_ATTR_MODE_OP	MDS and derived objects	1::2374
Application-Area	MDC_ATTR_AREA_APPL	MDS and derived objects	1::2317
Patient-Type *	MDC_ATTR_PT_TYPE	MDS and derived objects, Patient Demographics	1::2402
Date-and-Time	MDC_ATTR_TIME_ABS	MDS and derived objects	1::2439
Relative-Time	MDC_ATTR_TIME_REL	MDS and derived objects	1::2447
HiRes-Relative-Time	MDC_ATTR_TIME_REL_HI_RES	MDS and derived objects	1::2536
Time Capabilities	MDC_ATTR_TIME_SUPPORT	Clock	1::2607
Time Status	MDC_ATTR_DATE_TIME_STATUS	Clock	1::2608
Date and Time in ISO Format	MDC_ATTR_TIME_ABS_ISO	Clock	1::2609
List of External (different format) Time Stamps	MDC_ATTR_TIME_STAMP_LIST_EXT	Clock	1::2610
Attribute for synchronization between Abs and Rel Times	MDC_ATTR_TIME_ABS_REL_SYNC	Clock	1::2611
Time Zone	MDC_ATTR_TIME_ZONE	Clock	1::2612
Info for daylight savings time transition	MDC_ATTR_TIME_DAYLIGHT_SAVINGS_TRANS	Clock	1::2613
Cumulative leap seconds	MDC_ATTR_CUM_LEAP_SECONDS	Clock	1::2614
Time stamp for next leap second	MDC_ATTR_NEXT_LEAP_SECOND	Clock	1::2615
Localization	MDC_ATTR_LOCALIZN	MDS and derived objects	1::2359
Power-Status	MDC_ATTR_POWER_STAT	MDS and derived objects	1::2389
Altitude	MDC_ATTR_ALTITUDE	MDS and derived objects	1::2316
Battery-Level ("charge")	MDC_ATTR_VAL_BATT_CHARGE	MDS and derived objects	1::2460
Remaining-Battery-Time *	MDC_ATTR_TIME_BATT_REMAIN	MDS and derived objects, Battery	1::2440
Line-Frequency	MDC_ATTR_LINE_FREQ	MDS and derived objects	1::2357
Association-Invoke-Id	MDC_ATTR_ID_ASSOC_NO	MDS and derived objects	1::2333
Current-Log-Entries	MDC_ATTR_LOG_ENTRIES_CURR	Log and derived objects	1::2360
Max-Log-Entries	MDC_ATTR_LOG_ENTRIES_MAX	Log and derived objects	1::2361
Event-Log-Entry-List	MDC_ATTR_EVENT_LOG_ENTRY_LIST	Event Log	1::2564
Event-Log-Info	MDC_ATTR_EVENT_LOG_INFO	EventLog	1::2591

Table A.3.2.4.2—Object-oriented modeling elements—System Package—attributes (*multipage table*)

DIM name	RefId	Belongs to object	Part::Code
Log-Change-Count	MDC_ATTR_EVENT_LOG_CHANGE_COUNT	Log and derived objects	1::2592
Error-Log-Entry-List	MDC_ATTR_ERR_LOG_ENTRY_LIST	Eventlog	1::2328
Battery-Status	MDC_ATTR_BATT_STAT	Battery	1::2484
Capacity-Remaining	MDC_ATTR_CAPAC_BATT_REMAIN	Battery	1::2488
Capacity-Full-Charge	MDC_ATTR_CAPAC_BATT_FULL	Battery	1::2487
Capacity-Specified	MDC_ATTR_CAPAC_BATT_SPECN	Battery	1::2489
Voltage	MDC_ATTR_BATT_VOLTAGE	Battery	1::2485
Voltage-Specified	MDC_ATTR_BATT_VOLTAGE_SPECN	Battery	1::2486
Current	MDC_ATTR_BATT_CURR	Battery	1::2483
Battery-Temperature	MDC_ATTR_TEMP_BATT	Battery	1::2534
Charge-Cycles	MDC_ATTR_BATT_CHARGE_CYCLES	Battery	1::2482
Private-Coding-Semantics	MDC_ATTR_PRIV_CODING_SEMAN-TICS	MDS, VMD, Channel	1::3007

^a Bit string for operating-mode:

```
--
--operating-mode Bits
--
Operating-mode::=BITS-16 {
    opmode-unspec(0),
    monitoring(1),
    demo(2),
    service(3),
    opmode-standby(14),
    config(15)
}
```

Table A.3.2.4.3—Object-oriented modeling elements—System Package—attribute groups

DIM name	RefId	Belongs to object	Part::Code
System Identification Attribute Group	MDC_ATTR_GRP_SYS_ID	VMS and derived objects	1::2059
System Application Attribute Group	MDC_ATTR_GRP_SYS_APPL	VMS and derived objects	1::2058
System Production Attribute Group	MDC_ATTR_GRP_SYS_PROD	VMS and derived objects	1::2060
Relationship Attribute Group * (see. VMO/ Medical Package)	MDC_ATTR_GRP_RELATION	VMO and derived objects, VMS and derived objects	(1::2072)
Clock Attribute Group	MDC_ATTR_GRP_CLOCK	Clock	1::2078
Battery Attribute Group	MDC_ATTR_GRP_BATT	Battery	1::2069
	MDC_ATTR_GRP_T_PROFILE_MGMT	VMS and derived objects	1::2073
	MDC_ATTR_GRP_PRINTER	VMS and derived objects	1::2074

Table A.3.2.4.4—Object-oriented modeling elements—System Package—behavior

DIM name	RefId	Belongs to object	Part::Code
Mds-Set-Status	MDC_ACT_SET_MDS_STATE	MDS and derived objects	1::3087
Clear-Log	MDC_ACT_CLR_LOG	Log and derived objects	1::3075
Get-Event-Log-Entries	MDC_ACT_GET_EVENT_LOG_ENTRIES	EventLog	1::3092
Set-Time	MDC_ACT_SET_TIME	Clock	1::3095
Set-Time-Zone	MDC_ACT_SET_TIME_ZONE	Clock	1::3096
Set-Leap-Seconds	MDC_ACT_SET_LEAP_SECONDS	Clock	1::3097
Set-ISO-Time	MDC_ACT_SET_TIME_ISO	Clock	1::3098

Table A.3.2.4.5—Object-oriented modeling elements—System Package—notifications

DIM name	RefId	Belongs to object	Part::Code
System-Error	MDC_NOTI_SYS_ERR	MDS and derived objects	1::3349
Mds-Create-Notification	MDC_NOTI_MDS_CREAT	MDS and derived objects	1::3334
Mds-Attribute-Update	MDC_NOTI_MDS_ATTR_UPDT	MDS and derived objects	1::3333
Date-Time Changed	MDC_NOTI_DATE_TIME_CHANGED	Clock	1::3355

A.3.2.5 Control Package**Table A.3.2.5.1—Object-oriented modeling elements—Control Package—object class items**

DIM name	RefId	Derived from	Part::Code
SCO	MDC_MOC_CNTRL_SCO	Top	1::43
Operation	MDC_MOC_CNTRL_OP	Top	1::44
Select Item Operation	MDC_MOC_CNTRL_OP_SEL_IT	Operation	1::45
Select Item Operation	MDC_MOC_CNTRL_OP_SEL_IT_A	Operation	1::46
Set Value Operation	MDC_MOC_CNTRL_OP_SEL_VAL	Operation	1::47
Set Value Operation	MDC_MOC_CNTRL_OP_SEL_VAL_A	Operation	1::48
Set String Operation	MDC_MOC_CNTRL_OP_SET_STRING	Operation	1::73
Toggle Flag Operation	MDC_MOC_CNTRL_OP_TOG	Operation	1::49
Activate Operation	MDC_MOC_CNTRL_OP_ACTIV	Operation	1::50
Limit Alert Operation	MDC_MOC_CNTRL_OP_LIM	Operation	1::51
Set Range Operation	MDC_MOC_CNTRL_OP_SET_RANGE	Operation	1::80

Table A.3.2.5.2—Object-oriented modeling elements—Control Package—attributes *(multipage table)*

DIM name	RefId	Belongs to object	Part::Code
Sco-Capability	MDC_ATTR_SCO_CAPAB	SCO	1::2422
Sco-Help-Text-String	MDC_ATTR_SCO_HELP_TEXT_STRING	SCO	1::2549
Vmo-Reference * (see: Alert/Alert Package)	MDC_ATTR_VMO_REF	Alert, SCO, Operation and derived objects	(1::2468)

Table A.3.2.5.2—Object-oriented modeling elements—Control Package—attributes (*multipage table*)

DIM name	RefId	Belongs to object	Part::Code
Activity-Indicator	MDC_ATTR_INDIC_ACTIV	SCO	1::2355
Lock-State	MDC_ATTR_STAT_LOCK	SCO	1::2432
Invoke-Cookie	MDC_ATTR_ID_INVOK_COOKIE	SCO	1::2339
Instance-Number * (see: VMD/ Medical Package)	MDC_ATTR_ID_INSTNO	VMD and derived objects, PM-Segment, Operation and derived objects, Scanner and derived objects	(1::2338)
Operation-Spec	MDC_ATTR_OP_SPEC	Operation and derived objects	1::2386
Operation-Text	MDC_ATTR_OP_TEXT	Operation and derived objects	1::2388
Operation-Text-String	MDC_ATTR_OP_TEXT_STRING	Operation and derived objects	1::2514
Operation-Text-String-Dynamic	MDC_ATTR_OP_TEXT_STRING_DY N	Operation and derived objects	1::2602
Operational-State * (see: PM- Store/ Medical Package)	MDC_ATTR_OP_STAT	PM-Store , Operation and derived objects, Scanner and derived objects, Discriminator	(1::2387)
Selected-Item-Index	MDC_ATTR_INDEX_SEL	Select Item Operation	1::2354
Nom-Partition	MDC_ATTR_ID_NOM_PARTITION	Select Item Operation	1::2345
Select-List	MDC_ATTR_LIST_SEL	Select Item Operation	1::2358
Current-Value	MDC_ATTR_VAL_CURR	Set Value Operation	1::2461
Set-Value-Range	MDC_ATTR_VAL_RANGE	Set Value Operation, Limit Alert Operation	1::2464
Step-Width	MDC_ATTR_VAL_STEP_WIDTH	Set Value Operation	1::2465
Unit-Code * (see: Metric/ Medical Package)	MDC_ATTR_UNIT_CODE	Metric and derived objects, Set Value Operation, Limit Alert Operation	(1::2454)
Current-String	MDC_ATTR_STRING_CURR	Set String Operation	1::2565
Set-String-Spec	MDC_ATTR_SET_STRING_SPEC	Set String Operation	1::2567
Toggle-State	MDC_ATTR_STAT_OP_TOG	Toggle Flag Operation	1::2433
Toggle-Label-Strings	MDC_ATTR_TOG_LABELS_STRING	Toggle Flag Operation	1::2540
Alert-Op-Capability	MDC_ATTR_AL_OP_CAPAB	Limit Alert Operation	1::2309
Alert-Op-State	MDC_ATTR_AL_OP_STAT	Limit Alert Operation	1::2310
Limit Alert Operation	MDC_ATTR_LIMIT_CURR	Limit Alert Operation	1::2356
Alert-Op-Text-String	MDC_ATTR_AL_OP_TEXT	Limit Alert Operation	1::2311
Metric-Id ("Physio ID")	MDC_ATTR_ID_PHYSIO	Limit Alert Operation	1::2347
Current-Range	MDC_ATTR_RANGE_CURR	Set Range Operation	1::2624
Range-Op-Text	MDC_ATTR_RANGE_OP_TEXT_STR ING	Set Range Operation	1::2625

Table A.3.2.5.3—Object-oriented modeling elements—Control Package—attribute groups

DIM name	RefId	Belongs to object	Part::Code
VMO Static Context Group * (see VMO/Medical Package)	MDC_ATTR_GRP_VMO_STATIC	VMO and derived objects, SCO and derived objects	(1::2065)
VMO Dynamic Context Group * (see VMO/Medical Package)	MDC_ATTR_GRP_VMO_DYN	VMO and derived objects, SCO and derived objects	(1::2064)
Operation Static Context Group	MDC_ATTR_GRP_OP_STATIC_CTX T	Operation and derived objects	1::2053
Operation Dynamic Context Group	MDC_ATTR_GRP_OP_DYN_CTX T	Operation and derived objects	1::2052
SCO Transaction Group	MDC_ATTR_GRP_SCO_TRANSACTI ON	SCO Operation and derived objects	1::2057

Table A.3.2.5.4—Object-oriented modeling elements—Control Package—behavior

DIM name	RefId	Belongs to object	Part::Code
Operation-Invoke	MDC_ACT_SCO_OP_INVOK	SCO	1::3083
Get-Ctxt-Help	MDC_ACT_GET_CTXT_HELP	SCO	1::3077

Table A.3.2.5.5—Object-oriented modeling elements—Control Package—notifications

DIM name	RefId	Belongs to object	Part::Code
Sco-Operating-Request	MDC_NOTI_SCO_OP_REQ	SCO	1::3347
Sco-Operation-Invoke-Error	MDC_NOTI_SCO_OP_INVOK_ERR	SCO	1::3346
Sco-Attribute-Update	MDC_NOTI_SCO_ATTR_UPDT	SCO	1::3345
Sco-Prompt	MDC_NOTI_SCO_PROMPT	SCO	1::3348
Sco-Status	MDC_NOTI_SCO_ST	SCO	1::3354

A.3.2.6 Extended Services Package**Table A.3.2.6.1—Object-oriented modeling elements—Extended Services Package—object class items**

DIM name	RefId	Derived from	Part::Code
Scanner	MDC_MOC_SCAN	Top	1::16
Configurable Scanner	MDC_MOC_SCAN_CFG	Scanner	1::17
Episodic Configurable Scanner	MDC_MOC_SCAN_CFG_EPI	Configurable Scanner	1::18
Periodic Configurable Scanner	MDC_MOC_SCAN_CFG_PERI	Configurable Scanner	1::19
Fast Periodic Configurable Scanner	MDC_MOC_SCAN_CFG_PERI_FAST	Periodic Configurable Scanner	1::20
Unconfigurable Scanner	MDC_MOC_SCAN_UCFG	Scanner	1::21
Context Scanner	MDC_MOC_SCAN_UCFG_CTXT	Unconfigurable Scanner	1::23
Alert Scanner	MDC_MOC_SCAN_UCFG_ALSTAT	Unconfigurable Scanner	1::22
Operating Scanner	MDC_MOC_SCAN_UCFG_OP	Unconfigurable Scanner	1::24
Discriminator	MDC_MOC_DISCRIM	Top	1::66

Table A.3.2.6.2—Object-oriented modeling elements—Extended Services Package—attributes

DIM name	RefId	Belongs to object	Part::Code
Handle * (see: VMO/ Medical Package)	MDC_ATTR_ID_HANDLE	VMO and derived objects, VMS and derived objects, Log and derived objects, Battery, Scanner and derived objects, Discriminator, Multipatient Archive, Patient Archive, Session Archive, Session Test, Session Notes, Physician, Patient Demographics	(1::2337)
Instance-Number * (see: VMD/ Medical Package)	MDC_ATTR_ID_INSTNO	VMD and derived objects, PM-Segment, Operation and derived objects, Scanner and derived objects	(1::2338)
Operational-State * (see: PM-Store/ Medical Package)	MDC_ATTR_OP_STAT	PM-Store , Operation and derived objects, Scanner and derived objects, Discriminator	(1::2387)
Scan-List	MDC_ATTR_SCAN_LIST	Configurable Scanner and derived objects	1::2420
Confirm-Mode	MDC_ATTR_CONFIRM_MODE	Configurable Scanner and derived objects	1::2323
Confirm-Timeout	MDC_ATTR_CONFIRM_TIMEOUT	Configurable Scanner and derived objects, Unconfigurable Scanner and derived objects	1::2324
Transmit-Window	MDC_ATTR_TX_WIND	Configurable Scanner and derived objects, Unconfigurable Scanner and derived objects	1::2453
Scan-Config-Limit	MDC_ATTR_SCAN_CFG_LIMIT	Configurable Scanner and derived objects	1::2558
Scan-Extensibility	MDC_ATTR_SCAN_EXTEND	Periodic Configurable Scanner and derived objects	1::2419
Reporting-Interval	MDC_ATTR_SCAN_REP_PD	Periodic Configurable Scanner and derived objects, Alert Scanner	1::2421
Context-Mode	MDC_ATTR_SCAN_CTXT_MODE	Context Scanner	1::2418
Discriminator Construct	MDC_ATTR_DISCRIM_CONSTRUCT	Discriminator	1::2497

Table A.3.2.6.3—Object-oriented modeling elements—Extended Services Package—attribute groups

DIM name	RefId	Belongs to object	Part::Code
Scanner Attribute Group	MDC_ATTR_GRP_SCAN	Scanner and derived objects	1::2056
Discriminator Attribute Group	MDC_ATTR_GRP_DISCRIM	Discriminator	1::2070

Table A.3.2.6.4—Object-oriented modeling elements—Extended Services Package—behavior

DIM name	RefId	Belongs to object	Part::Code
Refresh-Episodic-Data	MDC_ACT_REFR_EPI_DATA	Episodic Configurable Scanner and derived objects	1::3080
Refresh-Context	MDC_ACT_REFR_CTXT	Context Scanner	1::3079
Refresh-Operation-Context	MDC_ACT_REFR_OP_CTXT	Operating Scanner	1::3082
Refresh-Operation-Attributes	MDC_ACT_REFR_OP_ATTR	Operating Scanner	1::3081

Table A.3.2.6.5—Object-oriented modeling elements—Extended Services Package—notifications

DIM name	RefId	Belongs to object	Part::Code
Unbuf-Scan-Report	MDC_NOTI_UNBUF_SCAN_RPT	Episodic Configurable Scanner and derived objects	1::3350
Buf-Scan-Report	MDC_NOTI_BUF_SCAN_RPT	Periodic Configurable Scanner and derived objects	1::3331
Fast-Buf-Scan-Report	MDC_NOTI_FAST_BUF_SCAN_RPT	Fast Periodic Configurable Scanner	1::3332
Scan-Attribute-Update	MDC_NOTI_SCAN_ATTR_UPDT	Context Scanner, Operating Scanner	1::3344
Object-Create-Notification	MDC_NOTI_OBJ_CREAT	Context Scanner, Operating Scanner	1::3336
Object-Delete-Notification	MDC_NOTI_OBJ_DEL	Context Scanner, Operating Scanner	1::3338
Object-Activated-Notification	MDC_NOTI_OBJ_ACTIV	Context Scanner, Operating Scanner	1::3335
Object-Delactivated-Notification	MDC_NOTI_OBJ_DEACT	Context Scanner, Operating Scanner	1::3337
Alert-Scan-Report	MDC_NOTI_AL_STAT_SCAN_RPT	Alert Scanner	1::3329
Oper-Create-Notification	MDC_NOTI_OP_CREAT	Operating Scanner	1::3340
Oper-Delete-Notification	MDC_NOTI_OP_DEL	Operating Scanner	1::3341
Oper-Attribute-Update	MDC_NOTI_OP_ATTR_UPDT	Operating Scanner	1::3339

A.3.2.7 Communication Package**Table A.3.2.7.1—Object-oriented modeling elements—Communication Package—object class items**

DIM name	RefId	Derived from	Part::Code
Communication Controller	MDC_MOC_CC	Top	1::28
Printer	MDC_MOC_PRINTER	Communication Controller	1::74
Patient demographics manager	MDC_MOC_PT_DEMOG_MGR	Communication Controller	1::75
DCC [device communication controller]	MDC_MOC_DCC	Communication Controller	1::76
BCC [bedside communication controller]	MDC_MOC_BCC	Communication Controller	1::77

Table A.3.2.7.2—Object-oriented modeling elements—Communication Package—attributes *(multipage table)*

DIM name	RefId	Belongs to object	Part::Code
Handle * (see: VMO/ Medical Package)	MDC_ATTR_ID_HANDLE	VMO and derived objects, VMS and derived objects, Log and derived objects, Battery, canner and derived objects, Discriminator, Communication Controller Multipatient Archive, Patient Archive, Session Archive, Session Test, Session Notes, Physician, Patient Demographics	(1::2337)
Capability	MDC_ATTR_CC_CAPAB	Communication Controller	1::2593
CC-Type	MDC_ATTR_CC_TYPE	Communication Controller	1::2594
Number-Of-Difs	MDC_ATTR_CC_NUM_DIFS	Communication Controller	1::2595
This-Connection-Dif-Index	MDC_ATTR_CC_THIS_DIF_INDEX	Communication Controller	1::2596
Cc-Ext-Mgmt-Proto-Id	MDC_ATTR_CC_EXT_MNG_PROT	Communication Controller	1::2597
Mib-Sys	MDC_ATTR_MIB_SYS	Communication Controller	1::2552
Mib-IP	MDC_ATTR_MIB_IP	Communication Controller	1::2553
Mib-ICMP	MDC_ATTR_MIB_ICMP	Communication Controller	1::2554
Mib-If	MDC_ATTR_MIB_IF	Communication Controller	1::2555
Mib-At	MDC_ATTR_MIB_AT	Communication Controller	1::2556
Mib-UDP	MDC_ATTR_MIB_UDP	Communication Controller	1::2557
Mib-External	MDC_ATTR_MIB_EXT_OID	Communication Controller	1::2598
Printer-Name	MDC_ATTR_ID_PRINTER_NAME	Communication Controller	1::2569
Printer-Cmd-Lang	MDC_ATTR_PRINTER_CMD_LANG	Communication Controller	1::2570
Printer-Status	MDC_ATTR_PRINTER_STAT	Communication Controller	1::2571
Printer-Status_String	MDC_ATTR_PRINTER_STAT_STRING	Communication Controller	1::2572
Printer-Paper_size	MDC_ATTR_PAPER_SIZE	Communication Controller	1::2573
Printer-Margins	MDC_ATTR_PRINT_MARGINS	Communication Controller	1::2574
Printer-Graphics-Resolution	MDC_ATTR_PRINTER_GRP_H_RES_STD	Communication Controller	1::2575
Printer-Graphics_Resolution-Color	MDC_ATTR_PRINTER_GRP_H_RES_COLOR	Communication Controller	1::2576

Table A.3.2.7.2—Object-oriented modeling elements—Communication Package—attributes *(multipage table)*

DIM name	RefId	Belongs to object	Part::Code
Printer-Color-Support	MDC_ATTR_PRINTER_COLOR_SUP	Communication Controller	1::2577
Printer-Duplex-Support	MDC_ATTR_PRINTER_DUPLX_SUP	Communication Controller	1::2578
Printer-Language-Support	MDC_ATTR_PRINTER_LOC_LANG_SUP	Communication Controller	1::2579
Printer-Color	MDC_ATTR_PRINTER_ACC_PCOL	Communication Controller	1::2580
Printer-TFTP-Address	MDC_ATTR_PRINTER_TFTP_ADDR	Communication Controller	1::2581

Table A.3.2.7.3—Object-oriented modeling elements—Communication Package—attribute groups

DIM name	RefId	Belongs to object	Part::Code
Communication Controller Attribute Group	MDC_ATTR_GRP_CC	Communication Controller	1::2077

Table A.3.2.7.4—Object-oriented modeling elements—Communication Package—behavior

DIM name	RefId	Belongs to object	Part::Code
Get-Mdib-Data	MDC_ACT_GET_MIB_DATA	Communication Controller	1::3093
Poll-Mdib-Data	MDC_ACT_POLL_MDIB_DATA	Communication Controller	1::3094

Table A.3.2.7.5—Object-oriented modeling elements—Communication Package—notifications

DIM name	RefId	Belongs to object	Part::Code
Connection-Indication	MDC_NOTI_CONN_INDIC	Communication Controller	1::3351
Printer-Prompt	MDC_NOTI_PRINTER_PROMPT	Communication Controller	1::3352

A.3.2.8 Archival Package**Table A.3.2.8.1—Object-oriented modeling elements—Archival Package—object class items**

DIM name	RefId	Derived from	Part::Code
Multipatient Archive	MDC_MOC_ARCHIVE_MULTI_PT	Top	1::63
Patient Archive	MDC_MOC_ARCHIVE_PT	Top	1::64
Session Archive	MDC_MOC_ARCHIVE_SESSION	Top	1::65
Physician	MDC_MOC_PHYSICIAN	Top	1::67
Session Test	MDC_MOC_SESSION_TEST	Top	1::69
Session Notes	MDC_MOC_SESSION_NOTES	Top	1::68

Table A.3.2.8.2—Object-oriented modeling elements—Archival Package—attributes (multipage table)

DIM name	REFID	Belongs to object	Part::Code
Handle * (see: VMO/Medical Package)	MDC_ATTR_ID_HANDLE	VMO and derived objects, VMS and derived objects, Log and derived objects, Battery, Scanner and derived objects, Discriminator, Multipatient Archive, Patient Archive, Session Archive, Session Test, Session Notes, Physician, Patient Demographics	(1::2337)
System-Id * (see: VMS/System Package)	MDC_ATTR_SYS_ID	VMS and derived objects, Multipatient Archive, Patient Archive	(1::2436)
Location	MDC_ATTR_LOCATION	Multipatient Archive	1::2509
Study-Name	MDC_ATTR_NAME_STUDY	Multipatient Archive	1::2531
Version	MDC_ATTR_ARCHIVE_VERS	Multipatient Archive	1::2480
System-Name	MDC_ATTR_NAME_SYS	Patient Archive	1::2543
Processing-History	MDC_ATTR_PROC_HIST	Patient Archive	1::2517
Protection	MDC_ATTR_PROTECTION	Patient Archive, Session Archive, Session Test, Session Notes	1::2519
S-Archive-Id	MDC_ATTR_ID_SESS_ARCHIVE	Session Archive	1::2507
S-Archive-Name	MDC_ATTR_NAME_SESS_ARCHIVE	Session Archive	1::2513
S-Archive-Comments	MDC_ATTR_SESS_ARCHIVE_COMMENTS	Session Archive	1::2530
Start-Time * (see: Metric/Medical Package)	MDC_ATTR_TIME_START	Metric and derived objects, Session Archive, Session Test, Session Notes	(1::2538)
Stop-Time * (see: Metric/Medical Package)	MDC_ATTR_TIME_STOP	Metric and derived objects, Session Archive, Session Test, Session Notes	(1::2539)
Physician-Id	MDC_ATTR_ID_PHYSICIAN	Physician	1::2503
Authorization-Level	MDC_ATTR_AUTH_LEVEL	Physician	1::2481
Name	MDC_ATTR_PHYSICIAN_NAME	Physician	1::2544
Given-Name	MDC_ATTR_PHYSICIAN_NAME_GIVEN	Physician	1::2546
Family-Name	MDC_ATTR_PHYSICIAN_NAME_FAMILY	Physician	1::2545
Middle-Name	MDC_ATTR_PHYSICIAN_NAME_MIDDLE	Physician	1::2547
Title-Name	MDC_ATTR_PHYSICIAN_NAME_TITLE	Physician	1::2548
St-Archive-Id	MDC_ATTR_ID_SESS_TEST_ARCHIVE	Session Test	1::2506
St-Archive-Name	MDC_ATTR_NAME_SESS_TEST_ARCHIVE	Session Test	1::2512
St-Archive-Comments	MDC_ATTR_SESS_TEST_ARCHIVE_COMMENTS	Session Test	1::2529

Table A.3.2.8.2—Object-oriented modeling elements—Archival Package—attributes (multipage table)

DIM name	REFID	Belongs to object	Part::Code
Sn-Id	MDC_ATTR_ID_SESS_NOTES_ARC HIVE	Session Notes	1::2505
Sn-Name	MDC_ATTR_NAME_SESS_NOTES_ ARCHIVE	Session Notes	1::2511
Sn-Comments	MDC_ATTR_SESS_NOTES_ARCHIV E_COMMENTS	Session Notes	1::2528
Findings	MDC_ATTR_FINDINGS	Session Notes	1::2500
Diagnostic-Codes	MDC_ATTR_CODE_DIAGNOSTIC	Session Notes, Patient Demographics	1::2492
Diagnosis-Description	MDC_ATTR_DESC_DIAGNOSTIC	Session Notes	1::2494
Procedure-Codes *	MDC_ATTR_CODE_PROCEDURE	Session Notes, Patient Demographics	1::2493
Procedure-Description *	MDC_ATTR_DESC_PROCEDURE	Session Notes, Patient Demographics	1::2495

Table A.3.2.8.3—Object-oriented modeling elements—Archival Package—attribute groups

DIM name	RefId	Belongs to object	Part::Code
Archival Attribute Group	MDC_ATTR_GRP_ARCHIVE	Multipatient Archive, Patient Archive, Session Archive, Session Test, Session Notes	1::2068
Physician Attribute Group	MDC_ATTR_GRP_PHYSICIAN	Physician	1::2071

Table A.3.2.8.4—Object-oriented modeling elements—Archival Package—behavior

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.8.5—Object-oriented modeling elements—Archival Package—notifications

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1), empty tables are included in order to enhance readability and usability of A.3.			

A.3.2.9 Patient Package**Table A.3.2.9.1—Object-oriented modeling elements—Patient Package—object class items**

DIM name	RefId	Derived from	Part::Code
Patient Demographics	MDC_MOC_PT_DEMOG	Top	1::42

Table A.3.2.9.2—Object-oriented modeling elements—Patient Package—attributes (*multipage table*)

DIM name	REFID	Belongs to object	Part::Code
Handle * (see: VMO/Medical Package)	MDC_ATTR_ID_HANDLE	VMO and derived objects, VMS and derived objects, Log and derived objects, Battery, Scanner and derived objects, Discriminator, Multipatient Archive, Patient Archive, Session Archive, Session Test, Session Notes, Physician, Patient Demographics	(1::2337)
Pat-Demo-State	MDC_ATTR_PT_DEMOG_ST	Patient Demographics	1::2391
Patient-Id	MDC_ATTR_PT_ID	Patient Demographics	1::2394
Name	MDC_ATTR_PT_NAME	Patient Demographics	1::2395
Given-Name	MDC_ATTR_PT_NAME_GIVEN	Patient Demographics	1::2397
Family-Name	MDC_ATTR_PT_NAME_FAMILY	Patient Demographics	1::2396
Middle-Name	MDC_ATTR_PT_NAME_MIDDLE	Patient Demographics	1::2399
Birth-Name	MDC_ATTR_PT_NAME_BIRTH	Patient Demographics	1::2398
Title-Name	MDC_ATTR_PT_NAME_TITLE	Patient Demographics	1::2400
Sex	MDC_ATTR_PT_SEX	Patient Demographics	1::2401
Race	MDC_ATTR_PT_RACE	Patient Demographics	1::2526
Patient-Type * (see: MDS/ System Package)	MDC_ATTR_PT_TYPE	MDS and derived objects, Patient Demographics	(1::2402)
Date-Of-Birth	MDC_ATTR_PT_DOB	Patient Demographics	1::2392
Patient-General-Info	MDC_ATTR_PT_GEN_INFO	Patient Demographics	1::2393
Patient-Age	MDC_ATTR_PT_AGE	Patient Demographics	1::2520
Gestational-Age	MDC_ATTR_PT_AGE_GEST	Patient Demographics	1::2521
Patient-Height	MDC_ATTR_PT_HEIGHT	Patient Demographics	1::2524
Patient-Weight	MDC_ATTR_PT_WEIGHT	Patient Demographics	1::2527
Patient-Birth-Length	MDC_ATTR_PT_BIRTH_LENGTH	Patient Demographics	1::2522
Patient-Birth-Weight	MDC_ATTR_PT_BIRTH_WEIGHT	Patient Demographics	1::2523
Mother-Patient-Id	MDC_ATTR_ID_PT_MOTHER	Patient Demographics	1::2504
Mother-Name	MDC_ATTR_PT_NAME_MOTHER	Patient Demographics	1::2525
Patient-Head-Circumference	MDC_ATTR_CIRCUM_HEAD	Patient Demographics	1::2490
Patient-Bsa	MDC_ATTR_PT_BSA	Patient Demographics	1::2390
Bed-Id	MDC_ATTR_ID_BED	Patient Demographics	1::2501
Diagnostic-Info	MDC_ATTR_DIAGNOSTIC_INFO	Patient Demographics	1::2496
Diagnostic-Codes	MDC_ATTR_CODE_DIAGNOSTIC	Session Notes , Patient Demographics	(1::2492)
Admitting-Physician	MDC_ATTR_PHYSICIAN_ADMIT	Patient Demographics	1::2515
Attending-Physician	MDC_ATTR_PHYSICIAN_ATTEND	Patient Demographics	1::2516
Date-Of-Procedure	MDC_ATTR_PROCEDURE_DATE	Patient Demographics	1::2518
Procedure-Codes * (see: Session Notes/ Archival Package)	MDC_ATTR_CODE_PROCEDURE	Session Notes , Patient Demographics	(1::2493)
Procedure-Description * (see: Session Notes/ Archival Package)	MDC_ATTR_DESC_PROCEDURE	Session Notes , Patient Demographics	(1::2495)

Table A.3.2.9.2—Object-oriented modeling elements—Patient Package—attributes (multipage table)

DIM name	REFID	Belongs to object	Part::Code
Anesthetist	MDC_ATTR_ANAESTHETIST	Patient Demographics	1::2479
Surgeon	MDC_ATTR_SURGEON	Patient Demographics	1::2532
Patient-Lean-Body-Mass	MDC_ATTR_PT_LBM	Patient Demographics	1::2601
Patient Demographics Management Capability	MDC_ATTR_PDMO_CAPAB	Patient Demographics	1::2584
Patient Demographics Management Implementation Version	MDC_ATTR_PDMO_IMPL_VERS	Patient Demographics	1::2585

Table A.3.2.9.3—Object-oriented modeling elements—Patient Package—attribute groups

DIM name	RefId	Belongs to object	Part::Code
Patient Demographics Attribute Group	MDC_ATTR_GRP_PT_DEMOG	Patient Demographics	1::2055
Patient Demographics Management Static Group	MDC_ATTR_GRP_PDMO_STATIC	Patient Demographics	1::2075
Patient Demographics Management Dynamic Group	MDC_ATTR_GRP_PDMO_DYN	Patient Demographics	1::2076
Patient Demographics Reference List	MDC_ATTR_PT_DEMOG_REF_LIST	Patient Demographics	1::2587
Patient Demographics	MDC_ATTR_PT_DEMOG_ST_SYNCH	Patient Demographics	1::2588
Patient Demographics Data List	MDC_ATTR_PT_DEMOG_DATA_LIST	Patient Demographics	1::2589
Patient Demographics Paced Mode	MDC_ATTR_PT_PACED_MODE	Patient Demographics	1::2590

Table A.3.2.9.4—Object-oriented modeling elements—Patient Package—behavior

DIM name	RefId	Belongs to object	Part::Code
Discharge-Patient	MDC_ACT_DISCH_PT	Patient Demographics	1::3076
Admit-Patient	MDC_ACT_ADMIT_PT	Patient Demographics	1::3074
Pre-Admit-Patient	MDC_ACT_PRE_ADMIT_PT	Patient Demographics	1::3078
Patient Demographics Management Object	MDC_ACT_PDMO_TXN	Patient Demographics	1::3089
Patient Demographics Management Object Prompt	MDC_ACT_PDMO_PROMPT	Patient Demographics	1::3090
Patient Demographics Management Object Message Box	MDC_ACT_PDMO_MSG_BOX	Patient Demographics	1::3091

Table A.3.2.9.5—Object-oriented modeling elements—Patient Package—notifications

DIM name	RefId	Belongs to object	Part::Code
Patient-Demographics-Modified	MDC_NOTI_PT_DEMOG_MOD	Patient Demographics	1::3342
Patient-Demographics-State-Change	MDC_NOTI_PT_DEMOG_ST_MOD	Patient Demographics	1::3343
Patient Demographics Management Object Change	MDC_NOTI_PDMO	Patient Demographics	1::3353

A.3.2.10 Personal health devices

This clause includes nomenclature to support personal health devices (PHD), IEEE Std 11073-20601 and specializations.

Table A.3.2.10.1—Object-oriented modeling elements—PHD—object class items

DIM name	RefId	Derived from	Part::Code
Schedule-Store	MDC_MOC_VMO_SCHEDSTORE	VMO	1::81
Schedule-Segment	MDC_MOC_SCHEDULE_SEG	Top	1::82

Table A.3.2.10.2—Object-oriented modeling elements—PHD—attributes (*multipage table*)

DIM name	RefId	Belongs to object	Part::Code
UdiSpec	MDC_ATTR_ID_UDI	MDS	1::2380
Alert-Op-Text-String	MDC_ATTR_AL_OP_TEXT_STRING	MDS	1::2478
Dev-Configuration-Id	MDC_ATTR_DEV_CONFIG_ID	MDS	1::2628
Mds-Time-Info	MDC_ATTR_MDS_TIME_INFO	MDS	1::2629
Metric-Spec-Small	MDC_ATTR_METRIC_SPEC_SMALL	MDS	1::2630
Source-Handle-Reference	MDC_ATTR_SOURCE_HANDLE_REF	MDS	1::2631
Simple-Sa-Observed-Value	MDC_ATTR_SIMP_SA_OBS_VAL	RT-SA	1::2632
Enum-Observed-Value-Simple- OID	MDC_ATTR_ENUM_OBS_VAL_SIMP _OID	Enumeration	1::2633
Enum-Observed-Value-Simple- Str	MDC_ATTR_ENUM_OBS_VAL_SIMP _STR	Enumeration	1::2634
Reg-Cert-Data-List	MDC_ATTR_REG_CERT_DATA_LIST	MDS	1::2635
Basic-Nu-Observed-Value	MDC_ATTR_NU_VAL_OBS_BASIC	Numeric	1::2636
PM-Store-Capab	MDC_ATTR_PM_STORE_CAPAB	PM Store	1::2637
PM-Segment-Entry-Map	MDC_ATTR_PM_SEG_MAP	PM Segment	1::2638
PM-Seg-Person-Id	MDC_ATTR_PM_SEG_PERSON_ID	PM Segment	1::2639
Segment-Statistics	MDC_ATTR_SEG_STATS	PM Segment	1::2640
Fixed-Segment-Data	MDC_ATTR_SEG_FIXED_DATA	PM Segment	1::2641
Scan-Handle-Attr-Val-Map	MDC_ATTR_SCAN_HANDLE_ATTR_ VAL_MAP	Scanner	1::2643
Min-Reporting-Interval	MDC_ATTR_SCAN_REP_PD_MIN	Scanner	1::2644
Attribute-Value-Map	MDC_ATTR_ATTRIBUTE_VAL_MAP	MDS	1::2645
Simple-Nu-Observed-Value	MDC_ATTR_NU_VAL_OBS_SIMP	Numeric	1::2646
PM-Store-Label	MDC_ATTR_PM_STORE_LABEL_ST RING	PM Store	1::2647
Segment-Label	MDC_ATTR_PM_SEG_LABEL_STRIN G	PM Segment	1::2648
Measure-Active-Period	MDC_ATTR_TIME_PD_MSMT_ACTIV E	Metric	1::2649
System-Type-Spec-List	MDC_ATTR_SYS_TYPE_SPEC_LIST	MDS	1::2650
Metric-Id-Partition	MDC_ATTR_METRIC_ID_PART	Metric	1::2655
Enum-Observed-Value-Partition	MDC_ATTR_ENUM_OBS_VAL_PART	Enumeration	1::2656
Supplemental-Types	MDC_ATTR_SUPPLEMENTAL_TYPE S	Metric	1::2657
Date-and-Time-Adjustment	MDC_ATTR_TIME_ABS_ADJUST	MDS	1::2658
Clear-Timeout	MDC_ATTR_CLEAR_TIMEOUT	PM Store	1::2659

Table A.3.2.10.2—Object-oriented modeling elements—PHD—attributes (multipage table)

DIM name	RefId	Belongs to object	Part::Code
Transfer-Timeout	MDC_ATTR_TRANSFER_TIMEOUT	PM Segment	1::2660
Enum-Observed-Value-Simple-Bit-Str	MDC_ATTR_ENUM_OBS_VAL_SIMP_BIT_STR	Enumeration	1::2661
Enum-Observed-Value-Basic-Bit-Str	MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR	Enumeration	1::2662
Metric-Structure-Small	MDC_ATTR_METRIC_STRUCT_SMALL	Metric	1::2675
Compound-Simple-Nu-Observed-Value	MDC_ATTR_NU_CMPD_VAL_OBS_SIMP	Numeric	1::2676
Compound-Basic-Nu-Observed-Value	MDC_ATTR_NU_CMPD_VAL_OBS_BASIC	Numeric	1::2677
Metric-Id-List	MDC_ATTR_ID_PHYSIO_LIST	Metric	1::2678
Scan-Handle-List	MDC_ATTR_SCAN_HANDLE_LIST	Scanner	1::2679
Context-Key	MDC_ATTR_CONTEXT_KEY	Metric	1::2680
Source-Handle-Reference-List	MDC_ATTR_SOURCE_HANDLE_REF_LIST	MDS	1::2681
Base-Offset-Time	MDC_ATTR_TIME_BO	MDS	1::2689
Base-Offset-Time-Stamp	MDC_ATTR_TIME_STAMP_BO	Metric	1::2690
Segment-Start-BO-Time	MDC_ATTR_TIME_START_SEG_BO	PM Segment	1::2691
Segment-End-BO-Time	MDC_ATTR_TIME_END_SEG_BO	PM Segment	1::2692
Tick-Resolution	MDC_ATTR_TICK_RES	MDS	1::2693
Transport-Timeout	MDC_ATTR_TRANSPORT_TIMEOUT	MDS	1::2694
Threshold-Notification-Text-String	MDC_ATTR_THRES_NOTIF_TEXT_STRING	Numeric	1::2696
Measurement-Confidence-95	MDC_ATTR_MSMT_CONFIDENCE_95	Numeric	1::2700
Event-Context-Id	MDC_ATTR_EVENT_CONTEXT	Numeric	1::2702
Capability-Mask-Simple	MDC_ATTR_ENUM_CAPABILITY_MASK_SIMPLE	Enumeration	1::2704
Capability-Mask-Basic	MDC_ATTR_ENUM_CAPABILITY_MASK_BASIC	Enumeration	1::2705
State-Flag-Simple	MDC_ATTR_ENUM_STATE_FLAG_SIMPLE	Enumeration	1::2706
State-Flag-Basic	MDC_ATTR_ENUM_STATE_FLAG_BASIC	Enumeration	1::2707
Schedule-Handle	MDC_ATTR_SCHED_STORE_HANDLE	Schedule Store	1::2800
Active-Schedule-Segment-Instance-Number	MDC_ATTR_SCHED_STORE_ACTIVE_INSTNO	Schedule Store	1::2801
Updated-Schedule-Segment-Instance-Number-List	MDC_ATTR_SCHED_STORE_UPDATED_INSTNO	Schedule Store	1::2802
Schedule-Store-Capab	MDC_ATTR_SCHED_STORE_CAPAB	Schedule Store	1::2803
Schedule-Store-Capacity-Count	MDC_ATTR_SCHED_STORE_CAPACITY_CNT	Schedule Store	1::2804
Schedule-Store-Usage-Count	MDC_ATTR_SCHED_STORE_USAGE_CNT	Schedule Store	1::2805
Schedule-Store-Operational-Status	MDC_ATTR_SCHED_STORE_OPERATIONAL_STATUS	Schedule Store	1::2806
Schedule-Store-Label	MDC_ATTR_SCHED_STORE_LABEL_STRING	Schedule Store	1::2807
Number-Of-Schedule-Segments	MDC_ATTR_SCHED_SEG_NUM	Schedule Store	1::2816

Table A.3.2.10.2—Object-oriented modeling elements—PHD—attributes (multipage table)

DIM name	RefId	Belongs to object	Part::Code
Schedule-Segment-Instance-Number	MDC_ATTR_SCHED_SEG_INSTNO	Schedule Segment	1::2817
Schedule-Segment-Entry-Map	MDC_ATTR_SCHED_SEG_MAP	Schedule Segment	1::2818
Schedule-Segment-Period	MDC_ATTR_SCHED_SEG_PERIOD	Schedule Segment	1::2819
Schedule-Segment-Entry-Interval	MDC_ATTR_SCHED_SEG_ENTRY_INTERVAL	Schedule Segment	1::2820
Schedule-Segment-Person-Id	MDC_ATTR_SCHED_SEG_PERSON_ID	Schedule Segment	1::2821
Schedule-Segment-Entry-Count	MDC_ATTR_SCHED_SEG_ENTRY_COUNT	Schedule Segment	1::2822
Schedule-Segment-Label	MDC_ATTR_SCHED_SEG_LABEL_STRING	Schedule Segment	1::2823
Schedule-Segment-LastUpdated-Abs-Time	MDC_ATTR_SCHED_SEG_LAST_UPDATED_ABS_TIME	Schedule Segment	1::2828
Schedule-Segment-LastUpdated-HiRes-Time	MDC_ATTR_SCHED_SEG_LAST_UPDATED_HIRES_TIME	Schedule Segment	1::2829
Schedule-Segment-LastUpdated-BO-Time	MDC_ATTR_SCHED_SEG_LAST_UPDATED_BO_TIME	Schedule Segment	1::2830
Schedule-Segment-Reference-Abs-Time	MDC_ATTR_SCHED_SEG_REF_ABS_TIME	Schedule Segment	1::2831
Schedule-Segment-Reference-BO-Time	MDC_ATTR_SCHED_SEG_REF_BO_TIME	Schedule Segment	1::2832
Schedule-Segment-Start-Abs-Time	MDC_ATTR_SCHED_SEG_START_ABS_TIME	Schedule Segment	1::2833
Schedule-Segment-Start-BO-Time	MDC_ATTR_SCHED_SEG_START_BO_TIME	Schedule Segment	1::2834
Schedule-Segment-End-Abs-Time	MDC_ATTR_SCHED_SEG_END_ABS_TIME	Schedule Segment	1::2835
Schedule-Segment-End-BO-Time	MDC_ATTR_SCHED_SEG_END_BO_TIME	Schedule Segment	1::2836
Fixed-Schedule-Segment-Data	MDC_ATTR_SCHED_SEG_FIXED_DATA	Schedule Segment	1::2840
Schedule-Segment-Confirm-Timeout	MDC_ATTR_SCHED_SEG_CONFIRM_TIMEOUT	Schedule Segment	1::2841
Schedule-Segment-Transfer-Timeout	MDC_ATTR_SCHED_SEG_TRANSFER_TIMEOUT	Schedule Segment	1::2842

Table A.3.2.10.3—Object-oriented modeling elements—PHD—attribute groups

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.10.4—Object-oriented modeling elements—PHD-behavior

DIM name	RefId	Belongs to object	Part::Code
Clear-Segments	MDC_ACT_SEG_CLR	PM-Store	1::3084
Get-Segment-Info	MDC_ACT_SEG_GET_INFO	PM-Store	1::3086
Set-Time	MDC_ACT_SET_TIME	MDS	1::3095
MDS-Data-Request	MDC_ACT_DATA_REQUEST	MDS	1::3099
Trig-Segment-Data-Xfer	MDC_ACT_SEG_TRIG_XFER	PM-Store	1::3100
Set-Base-Offset-Time	MDC_ACT_SET_BO_TIME	MDS	1::3101
Get-Segment-Id-List	MDC_ACT_SEG_GET_ID_LIST	PM-Store	1::3102
Get-Schedule-Segment-Info	MDC_ACT_SCHED_SEG_GET_INFO	Schedule Store	1::3108
Get-Schedule-Segment-Id-List	MDC_ACT_SCHED_SEG_GET_ID_LIST	Schedule Store	1::3109
Trig-Schedule-Segment-Data-Xfer	MDC_ACT_SCHED_SEG_TRIG_XFER	Schedule Store	1::3110

Table A.3.2.10.5—Object-oriented modeling elements—PHD—notifications

DIM name	RefId	Derived from	Part::Code
MDS-Configuration-Event	MDC_NOTI_CONFIG	MDS	1::3356
MDS-Dynamic-Data-Update-Fixed	MDC_NOTI_SCAN_REPORT_FIXED	MDS	1::3357
MDS-Dynamic-Data-Update-Var	MDC_NOTI_SCAN_REPORT_VAR	MDS	1::3358
MDS-Dynamic-Data-Update-MP-Fixed	MDC_NOTI_SCAN_REPORT_MP_FIXED	MDS	1::3359
MDS-Dynamic-Data-Update-MP-Var	MDC_NOTI_SCAN_REPORT_MP_VAR	MDS	1::3360
Segment-Data-Event	MDC_NOTI_SEGMENT_DATA	PM-Store	1::3361
Unbuf-Scan-Report-Var	MDC_NOTI_UNBUF_SCAN_REPORT_VAR	Scanner	1::3362
Unbuf-Scan-Report-Fixed	MDC_NOTI_UNBUF_SCAN_REPORT_FIXED	Scanner	1::3363
Unbuf-Scan-Report-Grouped	MDC_NOTI_UNBUF_SCAN_REPORT_GROUPED	Scanner	1::3364
Unbuf-Scan-Report-MP-Var	MDC_NOTI_UNBUF_SCAN_REPORT_MP_VAR	Scanner	1::3365
Unbuf-Scan-Report-MP-Fixed	MDC_NOTI_UNBUF_SCAN_REPORT_MP_FIXED	Scanner	1::3366
Unbuf-Scan-Report-MP-Grouped	MDC_NOTI_UNBUF_SCAN_REPORT_MP_GROUPED	Scanner	1::3367
Buf-Scan-Report-Var	MDC_NOTI_BUF_SCAN_REPORT_VAR	Scanner	1::3368
Buf-Scan-Report-Fixed	MDC_NOTI_BUF_SCAN_REPORT_FIXED	Scanner	1::3369
Buf-Scan-Report-Grouped	MDC_NOTI_BUF_SCAN_REPORT_GROUPED	Scanner	1::3370
Buf-Scan-Report-MP-Var	MDC_NOTI_BUF_SCAN_REPORT_MP_VAR	Scanner	1::3371
Buf-Scan-Report-MP-Fixed	MDC_NOTI_BUF_SCAN_REPORT_MP_FIXED	Scanner	1::3372
Buf-Scan-Report-MP-Grouped	MDC_NOTI_BUF_SCAN_REPORT_MP_GROUPED	Scanner	1::3373
Schedule-Segment-Data-Event	MDC_NOTI_SCHED_SEG_DATA	Schedule Store	1::3111

A.3.2.11 Waveform content module

This clause includes nomenclature to support the waveform content module (WCM) of the Integrating the Healthcare Enterprise (IHE).

Table A.3.2.11.1—Object-oriented modeling elements—WCM—object class items

DTM name	RefId	Derived from	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.11.2—Object-oriented modeling elements—WCM—attributes (multipage table)

Description	Unit of measurement (not normative)	UoM UCUM (not normative)	RefId	Part::Code
Sample rate, the number of samples per unit time. [Typical units are /s or Hz.]	MDC_DIM_PER_SEC MDC_DIM_HZ	/s Hz	MDC_ATTR_SAMPLE_RATE	1::2784
Cumulative sample count specifies the number of sampling intervals for a specific waveform group (or channel) since data acquisition began for that channel, expressed as an unsigned decimal integer.			MDC_ATTR_SAMPLE_COUNT	1::2785
Waveform encoding. Default value of zero (0) indicates <i>signed</i> or <i>unsigned integer</i> values. [Additional encodings may be defined in the future.]			MDC_ATTR_WAV_ENCODING	1::2786
Valid data range, expressed as a low-high inclusive value pair, in terms of sample values. [These values do not necessarily represent the maximum and minimum values of the encoded waveform data and technical conditions, but rather the valid range of values of the analog to digital converter.]			MDC_ATTR_DATA_RANGE	1::2787
Waveform display grid specifies the vertical position(s) of horizontal reference lines for an individual or a group of waveforms, expressed as an array of values (reference MDC_ATTR_DATA_RANGE).			MDC_ATTR_GRID_VIS	1::2788
Waveform display color; specifies the color to be used when displaying the waveform or waveform group. The RGB (Red, Green, Blue) encoding scheme is used. Each of R, G and B value has a range from 0 to 255.			MDC_ATTR_VIS_COLOR	1::2789

Table A.3.2.1.1.2—Object-oriented modeling elements—WCM—attributes (*multipage table*)

Description	Unit of measurement (not normative)	UoM UCUM (not normative)	RefId	Part::Code
Waveform displayed scale range, expressed as the lowest value and highest value for the display scale of a scaled waveform.	⟨phyUoM⟩	⟨phyUoM⟩	MDC_ATTR_SCALE_RANGE	1::2790
Waveform displayed scale range size, specifies the preferred display or printed size for waveform data when viewed on an interactive display or hardcopy output, corresponding to the physical visual distance between the lowest and highest values specified by MDC_ATTR_SCALE_RANGE. [For example, the displayed scale for an arterial blood pressure may range from a low value of -30 mmHg to a high value of +270 mmHg spanning a distance of 6 cm (corresponding to 50 mmHg/cm). The value of '6 cm' would be conveyed by this attribute and associated unit of measure.]	MDC_DIM_MILLI_M MDC_DIM_CENTI_M	mm cm	MDC_ATTR_SCALE_RANGE_SIZE	1::2791
Waveform physiological range, specifies the range of expected physiological values for the waveform, expressed as a low^high inclusive value pair using the units-of-measure associated with the waveform, e.g., -40^350 mm[Hg].	⟨phyUoM⟩	⟨phyUoM⟩	MDC_ATTR_PHYS_RANGE	1::2792

Table A.3.2.11.3—Object-oriented modeling elements—WCM—attribute groups

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.11.4—Object-oriented modeling elements—WCM—behavior

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.11.5—Object-oriented modeling elements—WCM—notifications

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

A.3.2.12 Location Services

This clause includes nomenclature to support location services (MEM-LS) of IHE.

Table A.3.2.12.1—Object-oriented modeling elements—MEM-LS—object class items

DIM name	RefId	Derived from	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.12.2—Object-oriented modeling elements—MEM-LS—attributes (multipage table)

Description	Unit of measurement (not normative)	UoM UCUM (not normative)	RefId	Part::Code
Name of device or person item associated with location observation	n/a	n/a	MDC_ATTR_LS_NAME	1::2976
Location of item by defined location identification	n/a	n/a	MDC_ATTR_LS_LOCATION	1::2977
Indication of location by postal service address	n/a	n/a	MDC_ATTR_LS_ADDRESS	1::2978
Indication of phase of location observation	n/a	n/a	MDC_ATTR_LS_PHASE	1::2979
Name of externally agreed base for referencing relative offsets	n/a	n/a	MDC_ATTR_LS_REF_NAME	1::2981
Externally agreed base GPS reference (lat°lon) for calculating relative offsets	MDC_DIM_ANG_DEG	deg	MDC_ATTR_LS_REF_GPS	1::2982
Externally agreed base GPS reference latitude for calculating relative offsets	MDC_DIM_ANG_DEG	deg	MDC_ATTR_LS_REF_GPS_LAT	1::2983
Externally agreed base GPS reference longitude for calculating relative offsets	MDC_DIM_ANG_DEG	deg	MDC_ATTR_LS_REF_GPS_LON	1::2984
Externally agreed base altitude reference for calculating relative offsets	MDC_DIM_M	m	MDC_ATTR_LS_REF_GPS_ALT	1::2985
Externally agreed base orientation reference for calculating relative offsets	MDC_DIM_ANG_DEG	deg	MDC_ATTR_LS_REF_GPS_BEARING	1::2986
Offset limits ($-X^{\wedge}+X^{\wedge}-Y^{\wedge}+Y^{\wedge}-Z^{\wedge}+Z^{\wedge}$) for externally agreed base for presentation scaling	MDC_DIM_M	m	MDC_ATTR_LS_REF_LIMITS	1::2987
Observed location ($X^{\wedge}Y^{\wedge}Z^{\wedge}$) of item axis offset from externally agreed base	MDC_DIM_M	m	MDC_ATTR_LS_COORD_XYZ	1::2988
Observed location X of item axis offset from externally agreed base	MDC_DIM_M	m	MDC_ATTR_LS_COORD_X	1::2989
Observed location Y of item axis offset from externally agreed base	MDC_DIM_M	m	MDC_ATTR_LS_COORD_Y	1::2990
Observed location Z of item axis offset from externally agreed base	MDC_DIM_M	m	MDC_ATTR_LS_COORD_Z	1::2991
Accuracy of observed location ($X^{\wedge}Y^{\wedge}Z^{\wedge}$) offset from externally agreed base	MDC_DIM_M	m	MDC_ATTR_LS_COORD_XYZ_ACCY	1::2992
Accuracy of observed location X offset from externally agreed base	MDC_DIM_M	m	MDC_ATTR_LS_COORD_X_ACCY	1::2993

Table A.3.2.12.2—Object-oriented modeling elements—MEM-LS—attributes (multipage table)

Description	Unit of measurement (not normative)	UoM UCUM (not normative)	RefId	Part::Code
Accuracy of observed location Y offset from externally agreed base	MDC_DIM_M	m	MDC_ATTR_LS_COORD_Y_ACCY	1::2994
Accuracy of observed location Z offset from externally agreed base	MDC_DIM_M	m	MDC_ATTR_LS_COORD_Z_ACCY	1::2995
Observation GPS coordinates (lat*lon) per WGS84	MDC_DIM_ANG_DEG	deg	MDC_ATTR_GPS_COORDINATES	1::2996
Observation GPS latitude per WGS84	MDC_DIM_ANG_DEG	deg	MDC_ATTR_GPS_LAT	1::2997
Observation GPS longitude per WGS84	MDC_DIM_ANG_DEG	deg	MDC_ATTR_GPS_LON	1::2998
Observation GPS accuracy (lat*lon)	MDC_DIM_ANG_DEG	deg	MDC_ATTR_GPS_COORD_ACCY	1::2999
Observation GPS latitude accuracy	MDC_DIM_ANG_DEG	deg	MDC_ATTR_GPS_LAT_ACCY	1::3000
Observation GPS longitude accuracy	MDC_DIM_ANG_DEG	deg	MDC_ATTR_GPS_LON_ACCY	1::3001
Observation GPS altitude per WGS84	MDC_DIM_M	m	MDC_ATTR_GPS_ALT	1::3002
Observation GPS altitude accuracy	MDC_DIM_M	m	MDC_ATTR_GPS_ALT_ACCY	1::3003
Observation GPS heading with North at zero and positive to the East	MDC_DIM_ANG_DEG	deg	MDC_ATTR_GPS_HEADING	1::3004
Observation GPS pitch with zero as horizontal and positive to higher elevation	MDC_DIM_ANG_DEG	deg	MDC_ATTR_GPS_PITCH	1::3005
Observation GPS speed	MDC_DIM_KILO_M_PE R_SEC	km/h	MDC_ATTR_GPS_SPEED	1::3006

Table A.3.2.12.3—Object-oriented modeling elements—MEM-LS—attribute groups

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.12.4—Object-oriented modeling elements—MEM-LS—behavior

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.12.5—Object-oriented modeling elements—MEM-LS—notifications

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

A.3.2.13 HL7 V2 OBR-4 Universal Service Identifiers (USI)

This clause includes nomenclature to support the HL7 V2 OBR-4 Universal Service Identifiers (USI) of IHE.

Table A.3.2.13.1—Object-oriented modeling elements—USI—object class items

DIM name	RefId	Derived from	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.13.2—Object-oriented modeling elements—USI—attributes

Description	RefId	Belongs to object	Part::Code
Observation set, unspecified	MDC_OBS_NOS		1::3584
Continuous waveforms	MDC_OBS_WAVE_CTS		1::3585
Non-continuous waveforms such as "snapshots" and "snippets"	MDC_OBS_WAVE_NONCTS		1::3586

Table A.3.2.13.3—Object-oriented modeling elements—USI—attribute groups

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.13.4—Object-oriented modeling elements—USI—behavior

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.3.2.13.5—Object-oriented modeling elements—USI—notifications

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

A.3.2.14 Deprecated Object-oriented modelling identifier terms

This clause includes identifier terms that are deprecated.

Table A.3.2.14.1—Object-oriented modeling elements—Deprecated identifier terms

DIM name	RefId	Note	Part::Code
	MDC_PMSTORE_PERI_SIMP	Undefined	1::1537
	MDC_PMSTORE_PERI_CMPD	Undefined	1::1538
	MDC_PMSTORE_PERI_CMPLX	Undefined	1::1539
	MDC_PMSTORE_EPI_SIMP	Undefined	1::1540
	MDC_PMSTORE_EPI_CMPD	Undefined	1::1541
	MDC_PMSTORE_EPI_CMPLX	Undefined	1::1542
	MDC_ATTR_SETTINGS_SYST	Undefined	1::2428
	MDC_ATTR_STD_SAFETY	Undefined	1::2434
	MDC_ATTR_TOG_LABELS	Use MDC_ATTR_TOG_LABEL_STRING	1::2451
	MDC_ATTR_UNIT_LABEL	Use MDC_ATTR_UNIT_LABEL_STRING	1::2456
	MDC_ATTR_UNIT_LABEL_X	Use MDC_ATTR_UNIT_LABEL_STRING_X	1::2459
	MDC_ATTR_SA_FIXED_VAL_SPEC N	Use MDC_ATTR_SA_MARKER_LIST_116	1::2582
	MDC_ATTR_SYS_ADT_ST	Undefined	1::2586
	MDC_ATTR_LOG_CHANGE_COUNT	Use MDC_ATTR_EVENT_LOG_CHANGE_COUNT	1::2592
	MDC_ACT_ACC_SETTINGS	Undefined	1::3073
	MDC_ACT_UPLD_TEXT_CTLG	Undefined	1::3088
Maiden-Name	MDC_ATTR_PT_NAME_MAIDEN	Synonym use MDC_ATTR_PT_NAME_BIRTH	1::2398

A.4 Data dictionary and codes for communication infrastructure (Partition 8)

A.4.1 Introduction

The communication infrastructure tables are closely related to the Communication Package of the DIM. Therefore, this clause follows A.3, which discusses the object-oriented modeling elements partition (Partition 1), although that partition (which includes the communication controller object class) and the separate communication infrastructure partition (Partition 8) are not consecutive (see A.2.4).

Terms and corresponding code values in these tables are used to describe properties of the Device Interface (object) for profile identification and model extensions. However, communication infrastructure objects are not part of the MDIB. Hence, they are not accessible by communication medical device information service element (CMDISE) services, but can be retrieved only by the special Communication Controller object method (ISO/IEEE 11073-10201).

- a) For consistency, the usual scheme introduced in A.3.1 was adopted, resulting in a set of five tables:
 - 1) Object class items
 - 2) Attributes
 - 3) Attribute groups
 - 4) Behavior (methods)
 - 5) Notifications
- b) These tables are supplemented by three additional tables:
 - 6) Profile support attributes
 - 7) Optional package identifiers
 - 8) System specification components

A.4.2 Communication infrastructure: inventory tables

Table A.4.1—Communication infrastructure—object class items

DIM name	RefId	Derived from	Part::Code
Device Interface	MDC_CC_DIF		8::513
MibElement	MDC_CC_MIB_ELEM		8::1025
Device Interface MibElement	MDC_CC_MIB_ELEM_DIF	MibElement	8::1026
General Communication Statistics MibElement	MDC_CC_MIB_ELEM_GEN_COMM_STATS	MibElement	8::1027
11073-30100 Port Configuration MibElement	MDC_CC_MIB_ELEM_1073_3_1_PORT_CFG	MibElement	8::1028
11073-30100 Link Access MibElement	MDC_CC_MIB_ELEM_1073_3_1_LINK_ACC	MibElement	8::1029
11073-30100 Current Performance MibElement	MDC_CC_MIB_ELEM_1073_3_1_PERF_CURR	MibElement	8::1030
11073-30100 Physical Configuration MibElement	MDC_CC_MIB_ELEM_1073_3_1_CONFIG_PHYS	MibElement	8::1031
11073-30100 Fault Threshold MibElement	MDC_CC_MIB_ELEM_1073_3_1_FAULT_THRES	MibElement	8::1032
11073-30200 Configuration MibElement	MDC_CC_MIB_ELEM_1073_3_2_CONFIG	MibElement	8::1033

Table A.4.2—Communication infrastructure—attributes (multipage table)

DIM name	RefId	Belongs to object	Part::Code
Mib-Ext-Oid	MDC_CC_MIB_DATA_EXT_OID	MibElement	8::2048
Dif-Id	MDC_CC_MIB_DATA_DIF_ID	Device Interface MibElement	8::2049
Port-State	MDC_CC_MIB_DATA_DIF_PORT_ST	Device Interface MibElement	8::2050
Dif-Type	MDC_CC_MIB_DATA_DIF_TYPE	Device Interface MibElement	8::2051
Active-Profile	MDC_CC_MIB_DATA_PROFILE_ID	Device Interface MibElement	8::2052
Supported-Profiles	MDC_CC_MIB_DATA_SUPP_PROFILES	Device Interface MibElement	8::2053
MTU	MDC_CC_MIB_DATA_MTU	Device Interface MibElement	8::2054
Link-Speed	MDC_CC_MIB_DATA_LINK_SPEED	Device Interface MibElement	8::2055
Mib-Element-List	MDC_CC_MIB_DATA_MIB_ELEM_LIST	Device Interface MibElement	8::2056
Packets In	MDC_CC_MIB_DATA_PACK_IN	General Communication Statistics MibElement	8::2057
Packets Out	MDC_CC_MIB_DATA_PACK_OUT	General Communication Statistics MibElement	8::2058
Octets In	MDC_CC_MIB_DATA_OCT_IN	General Communication Statistics MibElement	8::2059
Octets Out	MDC_CC_MIB_DATA_OCT_OUT	General Communication Statistics MibElement	8::2060
Discarded-Packets-In	MDC_CC_MIB_DATA_DISC_PACK_IN	General Communication Statistics MibElement	8::2061
Discarded-Packets-Out	MDC_CC_MIB_DATA_DISC_PACK_OUT	General Communication Statistics MibElement	8::2062
Unknown-Protocol-Packets-In	MDC_CC_MIB_DATA_UNK_PROT_PACKET_IN	General Communication Statistics MibElement	8::2063
Queue-Len-In	MDC_CC_MIB_DATA_QUEUE_LEN_IN	General Communication Statistics MibElement	8::2064
Queue-Len-Out	MDC_CC_MIB_DATA_QUEUE_LEN_OUT	General Communication Statistics MibElement	8::2065
Dif-Admin-Status	MDC_CC_MIB_DATA_DIF_STATE	General Communication Statistics MibElement	8::2066
Dif-Oper-Status	MDC_CC_MIB_DATA_CUR_DIF_STATE	General Communication Statistics MibElement	8::2067
Dif-Last-Change	MDC_CC_MIB_DATA_TIME_DIF_LAST_CHANGE	General Communication Statistics MibElement	8::2068
Errors-In	MDC_CC_MIB_DATA_ERRS_IN	General Communication Statistics MibElement	8::2069
Errors-Out	MDC_CC_MIB_DATA_ERRS_OUT	General Communication Statistics MibElement	8::2070
Generic-Mode	MDC_CC_MIB_DATA_COMM_MODE	General Communication Statistics MibElement	8::2071
Average Speed	MDC_CC_MIB_DATA_AVG_SPEED	General Communication Statistics MibElement	8::2072
Maximum Speed	MDC_CC_MIB_DATA_MAX_SPEED	General Communication Statistics MibElement	8::2073
Max-Tx-Length	MDC_CC_MIB_DATA_MAX_TX_LEN	11073-30100 Port Configuration MibElement	8::2074

Table A.4.2—Communication infrastructure—attributes (multipage table)

DIM name	RefId	Belongs to object	Part::Code
Max-Rx-Length	MDC_CC_MIB_DATA_MAX_RX_LEN	11073-30100 Port Configuration MibElement	8::2075
Max-Polling-Period	MDC_CC_MIB_DATA_POLL_PERIOD	11073-30100 Port Configuration MibElement	8::2076
Total-Bit-Rate-Capacity	MDC_CC_MIB_DATA_TOT_BIT_RATE	11073-30100 Port Configuration MibElement	8::2077
Port-Id	MDC_CC_MIB_DATA_ID_PORT	11073-30100 Port Configuration MibElement	8::2078
Link-Access-Time	MDC_CC_MIB_DATA_LINK_TIME	11073-30100 Link Access MibElement	8::2079
Link-Access-Status	MDC_CC_MIB_DATA_LINK_STAT	11073-30100 Link Access MibElement	8::2080
Mgt-Access-Time	MDC_CC_MIB_DATA_MGM_TIME	11073-30100 Link Access MibElement	8::2081
Mgt-Access-Status	MDC_CC_MIB_DATA_MGM_STAT	11073-30100 Link Access MibElement	8::2082
Frames-Sent	MDC_CC_MIB_DATA_FRAMES_SENT	11073-30100 Current Performance MibElement	8::2083
Frames-Received	MDC_CC_MIB_DATA_FRAMES_RECV	11073-30100 Current Performance MibElement	8::2084
U-Frames-Sent	MDC_CC_MIB_DATA_U_FRAMES_SENT	11073-30100 Current Performance MibElement	8::2085
U-Frames-Received	MDC_CC_MIB_DATA_U_FRAMES_RECV	11073-30100 Current Performance MibElement	8::2086
UI-Frames-Sent	MDC_CC_MIB_DATA_UI_FRAMES_SENT	11073-30100 Current Performance MibElement	8::2087
UI-Frames-Received	MDC_CC_MIB_DATA_UI_FRAMES_RECV	11073-30100 Current Performance MibElement	8::2088
I-Frames-Sent	MDC_CC_MIB_DATA_I_FRAMES_SENT	11073-30100 Current Performance MibElement	8::2089
I-Frames-Received	MDC_CC_MIB_DATA_I_FRAMES_RECV	11073-30100 Current Performance MibElement	8::2090
Data-Bytes-Sent	MDC_CC_MIB_DATA_BYTES_SENT	11073-30100 Current Performance MibElement	8::2091
Data-Bytes-Received	MDC_CC_MIB_DATA_BYTES_RECV	11073-30100 Current Performance MibElement	8::2092
Int-Bytes-Sent	MDC_CC_MIB_DATA_INT_BYTES_SENT	11073-30100 Current Performance MibElement	8::2093
Int-Bytes-Received	MDC_CC_MIB_DATA_INT_BYTES_RECV	11073-30100 Current Performance MibElement	8::2094
Frames-Out-Aborted	MDC_CC_MIB_DATA_FRAMES_OUT_ABRT	11073-30100 Current Performance MibElement	8::2095
Phys-Capab	MDC_CC_MIB_DATA_PHYS_CAPAB	11073-30100 Physical Configuration MibElement	8::2096
Max-Current-Rating	MDC_CC_MIB_DATA_MAX_CURRENT_RATING	11073-30100 Physical Configuration MibElement	8::2097
Frames-Sent	MDC_CC_MIB_DATA_FRAMES_SENT_LIM	11073-30100 Fault Threshold MibElement	8::2098
Frames-Received	MDC_CC_MIB_DATA_FRAMES_RECV_LIM	11073-30100 Fault Threshold MibElement	8::2099
U-Frames-Sent	MDC_CC_MIB_DATA_U_FRAMES_SENT_LIM	11073-30100 Fault Threshold MibElement	8::2100

Table A.4.2—Communication infrastructure—attributes (multipage table)

DIM name	RefId	Belongs to object	Part::Code
U-Frames-Received	MDC_CC_MIB_DATA_U_FRAMES_R ECV_LIM	11073-30100 Fault Threshold MibElement	8::2101
UI-Frames-Sent	MDC_CC_MIB_DATA_UI_FRAMES_S ENT_LIM	11073-30100 Fault Threshold MibElement	8::2102
UI-Frames-Received	MDC_CC_MIB_DATA_UI_FRAMES_R ECV_LIM	11073-30100 Fault Threshold MibElement	8::2103
I-Frames-Sent	MDC_CC_MIB_DATA_I_FRAMES_SE NT_LIM	11073-30100 Fault Threshold MibElement	8::2104
I-Frames-Received	MDC_CC_MIB_DATA_I_FRAMES_RE CV_LIM	11073-30100 Fault Threshold MibElement	8::2105
Data-Bytes-Sent	MDC_CC_MIB_DATA_BYTES_SENT_ LIM	11073-30100 Fault Threshold MibElement	8::2106
Data-Bytes-Received	MDC_CC_MIB_DATA_BYTES_RECV_ LIM	11073-30100 Fault Threshold MibElement	8::2107
Int-Bytes-Sent	MDC_CC_MIB_DATA_INT_BYTES_S ENT_LIM	11073-30100 Fault Threshold MibElement	8::2108
Int-Bytes-Received	MDC_CC_MIB_DATA_INT_BYTES_R ECV_LIM	11073-30100 Fault Threshold MibElement	8::2109
Frames-Out-Aborted	MDC_CC_MIB_DATA_FRAMES_OUT _ABRT_LIM	11073-30100 Fault Threshold MibElement	8::2110
Baud-Rate	MDC_CC_MIB_DATA_BAUD_RATE	11073-30200 Configuration MibElement	8::2111
Maximum-Turn-Around Time	MDC_CC_MIB_DATA_MAX_TURN_A ROUND_TIME	11073-30200 Configuration MibElement	8::2112
Data-Size	MDC_CC_MIB_DATA_DATA_SIZE	11073-30200 Configuration MibElement	8::2113
Window-Size	MDC_CC_MIB_DATA_WINDOW_SIZE	11073-30200 Configuration MibElement	8::2114
Additional-BOF	MDC_CC_MIB_DATA_ADDIT_BOF	11073-30200 Configuration MibElement	8::2115
Link disconnect time	MDC_CC_MIB_DATA_LINK_DISCON _TIME	11073-30200 Configuration MibElement	8::2116
Link threshold time	MDC_CC_MIB_DATA_LINK_THRSHL D_TIME	11073-30200 Configuration MibElement	8::2117
DIF-Port-Number	MDC_CC_MIB_DATA_DIF_PORT_NO	11073-30200 Configuration MibElement	8::2318

Table A.4.3—Communication infrastructure—attribute groups

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.4.4—Communication infrastructure—behavior

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.4.5—Communication infrastructure—notifications

DIM name	RefId	Belongs to object	Part::Code
This table has no content. Following the construction and ordering scheme (see item c in A.3.1) empty tables are included in order to enhance readability and usability of A.3.			

Table A.4.6—Communication infrastructure—profile support attributes

DIM name	RefId	Belongs to object	Part::Code
Poll-Profile-Support	MDC_POLL_PROFILE_SUPPORT	P.1073 Association User Information Field	8::1
Baseline-Profile-Support	MDC_BASELINE_PROFILE_SUPPORT	P.1073 Association User Information Field	8::2

Table A.4.7—Communication infrastructure—optional package identifiers

DIM name	RefId	Belongs to object	Part::Code
Pat-Demog-Opt-Pack-Agt	MDC_PT_DEMOGR_OPTION_AGT	P.1073 Association User Information Field	8::8194
Pat-Demog-Opt-Pack-Mgr	MDC_PT_DEMOGR_OPTION_MGR	P.1073 Association User Information Field	8::8193
Rem-Cntrl-Opt-Pack-Agt	MDC_REM_CNTRL_OPTION_AGT	P.1073 Association User Information Field	8::8196
Rem-Cntrl-Opt-Pack-Mgr	MDC_REM_CNTRL_OPTION_MGR	P.1073 Association User Information Field	8::8197

Table A.4.8—Communication infrastructure—system specification components

DIM name	RefId	Belongs to object	Part::Code
MedDevSpec-Std-Support	MDC_MED_DEV_SPEC_STD_SUPPORT	MDS and derived objects	8::257
Mdib-Object-Support	MDC_MDIB_OBJ_SUPPORT	MDS and derived objects	8::258

A.5 Nomenclature, data dictionary, and codes for vital signs devices (Partition 1)

A.5.1 Introduction

The purpose of the device nomenclature is to support an identification scheme for the Channel, VMD, and MDS objects of the DIM.

The following system provides enough information to support the data from the Metric and Channel objects, without replicating this information. For example, in the case of an airway gas analyzer, such a device may be measuring one, two, or more gases. The exact gases measured can be divined from the Metric object of the DIM that this device will be generating, i.e., O₂, CO₂, N₂O, etc. To include this level of detail in the device nomenclature is redundant.

The nomenclature has been developed so that it would be robust enough to handle the advent of new types of medical devices and so that it would be relatively easy to fit such devices within the scheme. As a result, the proposal is based around the relatively stable concepts of human organization and physical measurement modes. Forming the systematic names is done following the recommendations of the CEN TC251 Project Team 015 work that has been referenced (see CEN ENV 12611).

Each instrument is partitioned into representative subsystems, and each subsystem is associated with the human subsystem to which it is applied and with the basic type of measurement or therapy it is applying. Attributes are also associated with the VMD and MDS objects and can be found in the DIM.

NOTE—The device identifications produced by this nomenclature are to be used as an aid for determination of the type of device generating the data. However, the nomenclature is not specific enough to guarantee that each name maps to one and only one device type.

The categorical structure described in CEN ENV 12611 was used to write the rules for systematic names of the subset of medical devices useful in the context of this standard (i.e., limited to devices that acquire, interpret, monitor, or influence vital signs).

According to requirements from A.1.2 of CEN ENV 12611, five compound base concepts are defined here (see A.5.2), as shown in the following example:

Analyzer: <device> that *performs*: **Analysis**

The <property> measured or affected by the device (considered in general as specification of the <body component> in 6.1 of CEN ENV 12611) in the context of the present standard can be made systematically explicit and thus will be represented here autonomously in the systematic names (see A.5.3).

Finally, three more differentiating criteria were considered suitable for independent representation and processing. Therefore, they are considered as autonomous attributes in the object model, i.e., not as a part of the systematic name of the device.

The two specifications "*has specification*: <invasiveness>" and "*has specification*: <continuity>" and the criterion "*is based in*: <technical principle>" are made according to CEN ENV 12611.

A.5.2 Base concepts

The target category is *device*. The different devices applied within the scenarios forming the basis of the DIM have different functionality. Accordingly, the following base concepts have been identified:

- **Analyzer (Analysis)** (devices [or the subsystems of more complex devices] that manipulate or interpret acquired data in order to produce derivative results.)
- **Calculator** (devices [or the subsystems of more complex devices] whose primary function is to perform calculations upon raw or derived data)
- **Filter** (physical particle or chemical filters)
- **Generator** (devices [or the subsystems of more complex devices] that generate physical quantities such as heat, moisture, electrical activity, etc.)
- **Meter** (devices [or the subsystems of more complex devices] that perform mensuration or measurement functions on physical properties such as current, electrical potential, flow, etc.)
- **Monitor** (devices [or the subsystems of more complex devices] that both acquire data and analyze it. Such a device is typically composed of a number of virtual devices [VMDs] that perform the more basic tasks of data acquisition or data analysis. As an example, a patient multiparameter monitor would fall into this device class. This descriptor probably includes most real devices.)
- **Pump** (devices [or the subsystems of more complex devices] that transfer a liquid or gas from a source or container [to a patient, in the medical device context])
- **Regulator** (devices [or the subsystems of more complex devices] that maintain or control the flow or parametric balance of gases, liquids, electrical current, or other physiological analogues)
- **Stimulator** (devices [or the subsystems of more complex devices] that generate physical quantities such as heat, moisture, electrical activity, etc.)
- **System** (instruments that consist of transductive, analytical, and therapeutic components. An anesthesia system and most ventilators would fall into this device class.)

A.5.3 First set of differentiating criteria

The first semantic link is based on the concept *performs* (typically afferent functions, particularly measurement, but also efferent functions such as regulation). The devices are, therefore, classified into a number of possible categories based on the functionality they perform.

A.5.3.1 Semantic link "*has measured property*:"

Applicable descriptors include the following:

- **Concentration**
- **Electrical Potential**
- **Flow**
- **Multi-Parameter**
- **Negative**
- **Oxy**
- **Pressure**
- **Rate**
- **Resistance**
- **Temperature**
- **Volume**

A.5.4 Second set of differentiating criteria

Measurements are typically focused or targeted on body subsystems. This category is secondary to function because devices typically can measure or effectuate at multiple sites (singly or in parallel). Within each class of device, the secondary semantic link refers to the primary body system that the device is monitoring or affecting. It was felt that the medical/physiological classification of the human systems has been, and will be, a relatively stable concept.

A.5.4.1 Semantic link "has target:"

Applicable descriptors include the following:

- Airway
- Blood
- Body
- Brain
- Gas
- Heart
- Infusion
- Intra-Aorta
- Lung
- Multi-Gas
- Muscle
- Physiologic (for devices that are very general and not body-system-specific)
- Renal
- Resp
- Skin/Tissue
- Urine

A.5.5 Third set of differentiating criteria

Within this standard, there are a number of different contexts for the device nomenclature. The device type criterion allows specification using a context-free approach.

This criterion is represented in Table A.5.1 as <type>, where <type> represents a tuple that can have one of four possible values. In other words, each device requires four codes.

NOTE—This criterion is applicable to each device in Table A.5.1, although in some cases it may not make practical sense. For example, one can conceive of a temperature meter MDS, a temperature meter VMD, and a temperature meter channel. At the same time, it probably does not make sense to create an anesthesia machine channel, although the nomenclature approach does not specifically disallow this option.

A.5.5.1 Semantic link "device type:"

Applicable descriptors include the following:

- Channel
- MDS
- Non-Specific
- VMD

A.5.6 Attributes

In developing the nomenclature, it becomes clear that additional information that is common to most device types should be included to better define the device.

In this case, the attribute relates to the type of technology used by the instrument to make the measurement or apply a therapy. Applicable optional attributes of the VMD include the following:

- Acoustic
- Chemical
- Electrical
- Impedance
- Magnetic
- Nuclear
- Optical
- Thermal

A.5.7 Device class discriminator

Each device code is separated by a count of 4 to allocate space for the four different classes of device. Only the code for the generic device is provided in Table A.5.1. These classes are defined as follows:

- 0 = Generic device
- 1 = MDS
- 2 = VMD
- 3 = Channel

A.5.8 Code table

See Table A.5.1 for the nomenclature and codes for vital signs devices.

Table A.5.1—Nomenclature and codes for vital signs devices (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Analyzer				
Analyzer <type>	Generic analyzer	Instrument that analyzes acquired patient information.	MDC_DEV_ANALY	1::4100
Analyzer Concentration [Sat] Blood <type>	SpO ₂ monitor	Instrument that derives the % of arterial O ₂ and pulse rate parameters (blood flow).	MDC_DEV_ANALY_SAT_O2	1::4104
Analyzer Concentration Airway [Gas] <type>	Multigas identifier	Instrument for the direct measurement of the concentration of airway chemicals, e.g., CO ₂ , O ₂ , anesthetic agent.	MDC_DEV_ANALY_CONC_GAS_ID_ENT	1::4108
Analyzer Concentration Multi-Gas <type>	Multigas analyzer	Instrument that derives airway gas parameters, e.g., EtCO ₂ , iCO ₂ , iO ₂ .	MDC_DEV_ANALY_CONC_GAS_MULTI_PARAM	1::4112
Analyzer Concentration Urine <type>	Urine chemistry analyzer	Instrument that derives urine chemistry parameters.	MDC_DEV_ANALY_URINE_CHEM	1::4116
Analyzer ElectricalPotential Brain <type>	EEG analyzer	Instrument that derives brain activity parameters.	MDC_DEV_ANALY_ELEC_POTL_BRAIN	1::4120
Analyzer ElectricalPotential Heart <type>	Heart activity analyzer	Instrument that derives heart/haemo activity parameters, e.g., cardiach, arrhythmia monitor, ST analyzer, R-R.	MDC_DEV_ANALY_ELEC_POTL_HEART_ACTIV	1::4124
Analyzer Flow Airway <type>	Airway flow analyzer	Instrument that derives airway flow parameters.	MDC_DEV_ANALY_FLOW_AWAY	1::4128
Analyzer Flow Blood <type>	Heart output device	Instrument that derives heart output from direct measurement of blood flow.	MDC_DEV_ANALY_CARD_OUTPU	1::4132
Analyzer Flow Lung <type>	Lung flow analyzer	Instrument that derives lung flow parameters.	MDC_DEV_ANALY_FLOW_LUNG	1::4136
Analyzer Flow Urine <type>	Urine flow analyzer	Instrument that derives urine flow rate.	MDC_DEV_ANALY_FLOW_URINE	1::4140
Analyzer Multi-Parameter Airway <type>	Spirometer	Instrument for analysis and derivation of airway parameters.	MDC_DEV_ANALY_AWAY_MULTIPARAM	1::4144
Analyzer Multi-Parameter Blood <type>	Blood chemistry analyzer	Instrument for analysis and derivation of blood chemistry parameters.	MDC_DEV_ANALY_BLD_CHEM_MULTIPARAM	1::4148
Analyzer Multi-Parameter Lung <type>	Lung analyzer	Instrument for analysis and derivation of lung function parameters.	MDC_DEV_ANALY_LUNG	1::4152
Analyzer Multi-Parameter Muscle <type>	Muscle analyzer	Instrument for analysis and derivation of muscle parameters.	MDC_DEV_ANALY_MUSCL	1::4156
Analyzer Multi-Parameter Physiologic <type>	Patient analyzer	Instrument that analyses and derives data from multiple or unspecified body systems.	MDC_DEV_ANALY_PT_PHYSIO	1::4160
Analyzer Multi-Parameter Skin <type>	Skin analyzer	Instrument for analysis and derivation of skin-related parameters.	MDC_DEV_ANALY_SKIN_MULTIPARAM	1::4164

Table A.5.1—Nomenclature and codes for vital signs devices (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Analyzer Pressure Airway <type>	Spirometry analyzer	Instrument that derives airway parameters.	MDC_DEV_ANALY_PRESS_AWAY	1::4168
Analyzer Pressure Blood <type>	Blood pressure analyzer	Instrument that derives blood pressure parameters, i.e., systolic, diastolic, mean.	MDC_DEV_ANALY_PRESS_BLD	1::4172
Analyzer Pressure Brain <type>	Intracranial pressure analyzer	Instrument that derives intracranial pressure parameters.	MDC_DEV_ANALY_PRESS_BRAIN_INTRACRAN	1::4176
Analyzer Pressure Lung <type>	Lung pressure analyzer	Instrument that derives lung pressure parameters.	MDC_DEV_ANALY_PRESS_LUNG	1::4180
Analyzer Rate Lung <type>	Lung rate analyzer	Instrument that derives the lung breathing rate.	MDC_DEV_ANALY_RESP_RATE	1::4184
Analyzer Resistance Lung <type>	Lung resistance analyzer	Instrument that derives the resistance (compliance) of the lungs.	MDC_DEV_ANALY_RES_LUNG	1::4188
Analyzer Temperature Blood <type>	Heart output analyzer	Instrument that derives heart output parameters from blood temperature.	MDC_DEV_ANALY_TEMP_HEART_OUTPUT	1::4192
Analyzer Volume Heart <type>	Heart volume analyzer	Instrument for the derivation of the size of the heart.	MDC_DEV_ANALY_VOL_HEART	1::4196
Analyzer Volume Lung <type>	Lung volume analyzer	Instrument that derives lung volume parameters.	MDC_DEV_ANALY_VOL_LUNG	1::4200
Calculator				
Calculator <type>	Generic calculator	Instrument that creates derived parameters.	MDC_DEV_CALC	1::4204
Calculator Multi-Parameter Heart <type>	Haemodynamics calculator	Instrument that derives haemodynamics parameters.	MDC_DEV_CALC_HEMO	1::4208
Calculator Multi-Parameter Kidney <type>	Renal function calculator	Instrument that derives renal function parameters.	MDC_DEV_CALC_RENAL	1::4212
Filter				
Filter Concentration <type>	Generic filter	Instrument that filters out one or more chemicals.	MDC_DEV_FILTER_CONC	1::4216
Filter Concentration Airway [Gas] <type>	CO ₂ scrubber	Instrument for removing components from the chemistry of delivered air.	MDC_DEV_FILTER_CONC_AWAY	1::4220
Generator				
Generator <type>	Generic generator	Instrument that generates heat, electricity, etc.	MDC_DEV_GEN	1::4224
Generator Concentration Airway <type>	Vaporizer	Instrument for adding components to the chemistry of delivered air.	MDC_DEV_GEN_CONC_AWAY	1::4228

Table A.5.1—Nomenclature and codes for vital signs devices (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Generator ElectricalPotential Defib Heart <type>	Defibrillator (simple)	Instrument for delivering a controlled Heart electrical potential.	MDC_DEV_GEN_ELEC_POTL_HEA_RT_DEFIB	1::4232
Generator ElectricalPotential Muscle <type>	Muscle generator	Instrument for delivering a controlled electrical potential to the musculature.	MDC_DEV_GEN_ELEC_POTL_MUS_CL	1::4236
Generator ElectricalPotential Skin <type>	Skin generator	Instrument for delivering a controlled electrical potential to the skin.	MDC_DEV_GEN_ELEC_POTL_SKI_N	1::4240
Generator Multi-Parameter Brain <type>	Evoked potential system	Instrument that derives brain activity parameters via stimulation.	MDC_DEV_GEN_EVOK_POTL_BRA_IN_MULTI_PARAM	1::4244
Generator Rate Heart <type>	Pacemaker	Instrument for controlling the rate of Heart contractions.	MDC_DEV_GEN_RATE_HEART	1::4248
Generator Temperature Muscle <type>	Diathermy device	Instrument for delivering a controlled temperature to the musculature.	MDC_DEV_GEN_TEMP_MUSCL	1::4252
Meter				
Meter <type>	Generic meter	Instrument for the direct measurement of physiological parameters.	MDC_DEV_METER	1::4256
Meter ElectricalPotential Heart <type>	ECG	Instrument for the direct measurement of heart electrical activity.	MDC_DEV_ECG	1::4260
Meter Concentration Skin [Gas] <type>	Transcutaneous gas meter	Instrument for the measurement of the level and concentration of gases in the tissue.	MDC_DEV_METER_CONC_SKIN_GAS	1::4264
Meter Concentration Urine <type>	Urine chemistry transducer	Instrument for the direct measurement of urine chemistry.	MDC_DEV_METER_CONC_URINE	1::4268
Meter ElectricalPotential Brain <type>	Electroencephalograph	Instrument for the direct measurement of the level of brain electrical activity.	MDC_DEV_EEG	1::4272
Meter ElectricalPotential Muscle <type>	Electromyograph	Instrument for the direct measurement of musculature electrical activity.	MDC_DEV_EMG	1::4276
Meter Flow Airway <type>	Pneumotachograph	Instrument for the direct measurement of the level of air flow.	MDC_DEV_METER_FLOW_AWAY	1::4280
Meter Flow Blood <type>	Blood flow meter	Instrument for the direct measurement of the level of blood flow.	MDC_DEV_METER_FLOW_BLD	1::4284
Meter Flow Heart <type>	Heart output transducer	Instrument for the direct measurement of the level of heart blood flow.	MDC_DEV_METER_FLOW_CARD	1::4288
Meter Flow Lung <type>	Lung flow meter	Instrument for the direct measurement of the level of lung air flow.	MDC_DEV_METER_FLOW_LUNG	1::4292
Meter Flow Urine <type>	Urine output transducer	Instrument for the direct measurement of the level of urinary flow.	MDC_DEV_METER_FLOW_URINE	1::4296
Meter Multi-Parameter Physiologic <type>		Instrument that acquires data through direct measurement from multiple or unspecified body systems.	MDC_DEV_METER_PHYSIO_MULT_I_PARAM	1::4300

Table A.5.1—Nomenclature and codes for vital signs devices (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Meter Multi-Parameter Skin <type>	Skin transducer	Instrument for direct measurement of skin parameters.	MDC_DEV_METER_SKIN_MULTI_P ARAM	1::4304
Meter Multi-Parameter Blood <type>	Blood chemistry meter	Instrument for the direct measurement of the level and concentration of chemicals, gases and electrolytes in the blood.	MDC_DEV_METER_BLD_CHEM	1::4308
Meter Pressure Airway [Gas] <type>	Air pressure meter	Instrument for the direct measurement of the level of delivered air pressure.	MDC_DEV_METER_PRESS_AIR	1::4312
Meter Pressure Blood <type>	Blood pressure strain gauge	Instrument for the direct measurement of the level of blood pressure.	MDC_DEV_METER_PRESS_BLD	1::4316
Meter Pressure Brain <type>	Intracranial pressure meter	Instrument for the direct measurement of the level of cranial pressure.	MDC_DEV_METER_PRESS_INTRA _CRAN	1::4320
Meter Pressure Heart <type>	Heart pressure transducer	Instrument for the direct measurement of the level of heart blood pressures.	MDC_DEV_METER_PRESS_HEAR T	1::4324
Meter Pressure Lung <type>	Lung pressure meter	Instrument for the direct measurement of the level of lung air pressure.	MDC_DEV_METER_PRESS_LUNG	1::4328
Meter Resistance Airway <type>	Air resistance meter	Instrument for the direct measurement of the level of airway resistance.	MDC_DEV_METER_RES_AIR	1::4332
Meter Resistance Lung <type>	Lung resistance meter	Instrument for the direct measurement of the level of lung resistance.	MDC_DEV_METER_RES_LUNG	1::4336
Meter Resistance Muscle <type>	Dynamometer	Instrument for the direct measurement of the level of muscle strength.	MDC_DEV_METER_STRENGTH_M USCL	1::4340
Meter Temperature Airway <type>	Air temperature meter	Instrument for the measurement of the level of delivered air temperature.	MDC_DEV_METER_TEMP_AIR	1::4344
Meter Temperature Blood <type>	Catheter tip temp. probe	Instrument for the direct measurement of the level of blood temperature.	MDC_DEV_METER_TEMP_BLD	1::4348
Meter Temperature Brain <type>	Brain temp. meter	Instrument for the direct measurement of the level of brain temperature.	MDC_DEV_METER_TEMP_BRAIN	1::4352
Meter Temperature Heart <type>	Heart temp. transducer	Instrument for the direct measurement of the level of heart temperatures.	MDC_DEV_METER_TEMP_HEART	1::4356
Meter Temperature Lung <type>	Lung temperature meter	Instrument for the direct measurement of the level of lung temperature.	MDC_DEV_METER_TEMP_LUNG	1::4360
Meter Temperature Physiologic <type>	Temperature probe	Instrument that measures temperature from multiple or unspecified body systems.	MDC_DEV_METER_TEMP	1::4364
Meter Temperature Renal <type>	Renal temperature transducer	Instrument for the direct measurement of the level of renal temperature.	MDC_DEV_METER_TEMP_RENAL	1::4368
Meter Temperature Skin <type>	Skin temperature meter	Instrument for the direct measurement of the level of skin temperature.	MDC_DEV_METER_TEMP_SKIN	1::4372

Table A.5.1—Nomenclature and codes for vital signs devices (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Meter Volume Airway (Gas) <type>	Airway volume meter	Instrument for the direct measurement of the level of delivered air volume.	MDC_DEV_METER_VOL_AIR	1::4376
Meter Volume Heart <type>	Heart volume transducer	Instrument for the direct measurement of the size of the heart.	MDC_DEV_METER_VOL_HEART	1::4380
Meter Volume Muscle <type>	Muscle volume meter	Instrument for the direct measurement of the level of muscle bulk.	MDC_DEV_METER_VOL_MUSCL	1::4384
Monitor				
Monitor <type>	Generic monitor	Instrument for the direct measurement and analysis of patient information.	MDC_DEV_MON	1::4388
Monitor Concentration Urine <type>	Urine chemistry monitor	Instrument for the direct measurement and analysis of urine chemistry.	MDC_DEV_MON_URINE_CHEM	1::4392
Monitor Multi-Parameter Blood <type>	Blood chemistry monitor	Instrument for acquisition, analysis, and derivation of blood chemistry parameters.	MDC_DEV_MON_BLD_CHEM_MUL TI_PARAM	1::4396
Monitor Multi-Parameter Brain <type>	Brain function monitor	Instrument that implements brain transduction and analysis.	MDC_DEV_MON_BRAIN_FUNC	1::4400
Monitor Multi-Parameter Heart <type>	Haemodynamic monitor	Instrument for acquisition, analysis, and derivation of Heart parameters.	MDC_DEV_MON_HEART_MULTI_P ARAM	1::4404
Monitor Multi-Parameter Lung <type>	Lung function monitor	Instrument for acquisition and analysis of Lung function parameters.	MDC_DEV_MON_LUNG_FUNC	1::4408
Monitor Multi-Parameter Muscle <type>	Muscle monitor	Instrument that implements a combination of muscle transduction, analysis, and therapy.	MDC_DEV_MON_MUSCL	1::4412
Monitor Multi-Parameter Physiologic <type>	Patient monitoring system	Instrument for direct measurement and analysis of multiple body system parameters.	MDC_DEV_MON_PT_PHYSIO_MUL TI_PARAM	1::4416
Monitor Multi-Parameter Renal <type>	Renal function monitor	Instrument for renal data acquisition and analysis.	MDC_DEV_MON_RENAL_FUNC_M ULTI_PARAM	1::4420
Monitor Multi-Parameter Skin <type>	Skin monitor	Instrument for direct measurement and analysis of skin-related parameters.	MDC_DEV_MON_SKIN_MULTI_PA RAM	1::4424
Monitor Multi-Parameter Physiologic <type>		Instrument that acquires and analyses patient data from multiple or unspecified body systems.	MDC_DEV_MON_PHYSIO_MULTI_ PARAM	1::4428
Pump				
Pump <type>	Generic pump	Instrument that delivers fluid to the patient.	MDC_DEV_PUMP	1::4432
Pump Concentration [Oxy] Blood <type>	Heart/lung machine	Instrument that implements blood transduction, analysis, and therapy.	MDC_DEV_PUMP_HEART_LUNG	1::4436
Pump Flow Heart <type>	Left ventricular assist device	Instrument for modifying the flow of blood from the heart.	MDC_DEV_PUMP_FLOW_HEART	1::4440

Table A.5.1—Nomenclature and codes for vital signs devices (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Pump Pressure Blood [Intra-Aortic] <type>	Intra-aortic balloon pump	Instrument for improving blood pressure.	MDC_DEV_PUMP_PRESS_BLD_IN TRAAORT	1::4444
Pump Volume Blood [Infusion] <type>	Infusor	Instrument for delivering a controlled volume of liquids to the blood.	MDC_DEV_PUMP_INFUS	1::4448
Regulator				
Regulator <type>	Generic regulator	Instrument that controls specific aspects of a patient's physiological function.	MDC_DEV_REGUL	1::4452
Regulator Flow Airway, Resp <type>	Ventilator (flow)	Instrument for delivering a controlled flow of airway gas. (i.e., respirator).	MDC_DEV_REGUL_FLOW_AWAY_VENT	1::4456
Regulator Multi-Parameter Blood <type>	Dialysis machine	Instrument for modifying the chemistry of blood.	MDC_DEV_REGUL_BLD_CHEM	1::4460
Regulator Multi-Parameter Lung <type>	Patient ventilation system	Instrument for data acquisition, analysis and therapy for the lung system.	MDC_DEV_SYS_PT_VENT	1::4464
Regulator Pressure [Negative] Lung <type>	Decompression chamber	Instrument for sustaining the lungs in a controlled pressure.	MDC_DEV_REGUL_DECOMPRESS	1::4468
Regulator Pressure Lung <type>	Respirator	Instrument for delivering a controlled flow/volume of airway gas.	MDC_DEV_REGUL_PRESS_LUNG	1::4472
Regulator Rate Lung <type>	Ventilator (rate)	Instrument for controlling the rate of breathing.	MDC_DEV_REGUL_RATE_VENT	1::4476
Regulator Temperature Blood <type>	Blood warmer	Instrument for delivering a controlled temperature of blood.	MDC_DEV_REGUL_TEMP_BLD	1::4480
Regulator Temperature Body <type>	Heater, incubator	Instrument for modifying the temperature of the skin.	MDC_DEV_REGUL_TEMP_SKIN	1::4484
Regulator Volume Airway <type>	Ventilator (volume)	Instrument for delivering a controlled volume of airway gas.	MDC_DEV_REGUL_VOL_VENT	1::4488
System				
System <type>	Generic medical system	Instrument that consists of multiple device modalities.	MDC_DEV_SYS_MULTI_MODAL	1::4492
System Multi-Parameter Brain <type>	Neurology system	Instrument that implements brain transduction, analysis, and therapy.	MDC_DEV_SYS_BRAIN_MULTI_PA RAM	1::4496
System Multi-Parameter Heart <type>	Cardiology system	Instrument for Heart transduction, analysis, and therapy.	MDC_DEV_SYS_CARD_MULTI_PA RAM	1::4500
System Multi-Parameter Lung <type>	Anesthesia system	Instrument that implements a combination of transduction, analysis, and/or therapy on multiple body systems.	MDC_DEV_SYS_ANESTH	1::4504
System Multi-Parameter Physiologic <type>		Instrument that acquires, analyses, and provides therapy from and to multiple or unspecified body systems	MDC_DEV_SYS_PHYSIO_MULTI_P ARAM	1::4508

Table A.5.1—Nomenclature and codes for vital signs devices (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Device <type>	Generic device	Generic device, may be used as placeholder.	MDC_DEV	1::4096
Device, general <type>	General device	Generic device, of any type.	MDC_DEV_GENERAL	1::5120
Device, auxiliary <type>	Auxiliary device	Generic device, of any type.	MDC_DEV_AUX	1::5124
Device, status	Alarm status device	Device to monitor system status.	MDC_ALSTAT_MDS	1::1281
Device, status	Alarm status device	Device to monitor system status.	MDC_ALSTAT_VMD	1::1282
Device ElectricalPotential, Respiration Lung, transthoracic impedance <type>	ECG-derived respiration	Instrument for the indirect measurement of respiration rate by estimating transthoracic impedance using the ECG leads.	MDC_DEV_ECG_RESP	1::5128
Device ElectricalPotential Heart, arrhythmia or conduction disturbance <type>	ECG arrhythmia	Instrument for acquisition, analysis and detection of cardiac arrhythmias or conduction disturbances.	MDC_DEV_ARRHY	1::5132
Device Pressure Haemodynamic <type>	Haemodynamic pulse rate	Instrument for acquisition, analysis and detection of haemodynamic pulse rate and other information.	MDC_DEV_PULS	1::5136
Device ElectricalPotential Heart, ST deviation and cardiac repolarization <type>	ECG ST	Instrument for acquisition, analysis and detection of ST deviation and cardiac repolarization disturbances.	MDC_DEV_ST	1::5140
Analyzer Concentration Airway, CO2 <type>	CO2 gas analyzer, capnometer, capnograph	Instrument for the direct measurement of airway CO2 concentration and respiration rate.	MDC_DEV_CO2	1::5144
Device Pressure, non-invasive Blood <type>	Non-invasive blood pressure	Instrument for the non-invasive measurement of blood pressure.	MDC_DEV_PRESS_BLD_NONINV	1::5148
Device Flow, perfusion Blood, cerebral <type>	Cerebral perfusion	Instrument for the measurement of the level of blood perfusion in cerebral tissue.	MDC_DEV_CEREB_PERF	1::5152
Device Concentration or PartialPressure, CO2 Continuous <type>	Continuous CO2	Instrument for the direct and continuous measurement of CO2 concentration or partial pressure.	MDC_DEV_CO2_CTS	1::5156
Device PartialPressure, pCO2 Skin, surface <type>	Transcutaneous pCO2	Instrument for the indirect measurement of pCO2 partial pressure on the surface of the skin.	MDC_DEV_CO2_TCUT	1::5160
Analyzer Concentration Airway, O2 <type>	O2 gas analyzer	Instrument for the direct measurement of airway O2 concentration and respiration rate.	MDC_DEV_O2	1::5164
Device Concentration or PartialPressure, O2 Continuous <type>	Continuous O2	Instrument for the direct and continuous measurement of O2 concentration or partial pressure.	MDC_DEV_O2_CTS	1::5168

Table A.5.1—Nomenclature and codes for vital signs devices (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Device PartialPressure, pO2 Skin, surface <type>	Transcutaneous pO2	Instrument for the indirect measurement of pO2 partial pressure on the surface of the skin.	MDC_DEV_O2_TCUT	1::5172
Meter Temperature Difference <type>	Temperature difference probe	Instrument that measures temperature difference between two body sites or temperature reference.	MDC_DEV_TEMP_DIFF	1::5176
Controller <type>	Generic controller	Instrument that controls specific aspects of a device.	MDC_DEV_CNTRL	1::5180
Alert <type>	Generic alarm	Instrument that processes or annunciates an alarm.	MDC_DEV_AL	1::5184
Device Pressure, Pulmonary Artery, Occluded Blood <type>	Pulmonary wedge pressure	Instrument for the direct measurement of the pulmonary artery wedge pressure.	MDC_DEV_WEDGE	1::5188
Analyzer Concentration Blood, Venous <type>	SvO2 monitor	Instrument that derives the % of venous O2.	MDC_DEV_O2_VEN_SAT	1::5192
Device Persistent Metric Store <type>	Data storage	Device that stores physiologic information.	MDC_DEV_PMSTORE	1::5196
Analyzer Rate Heart <type>	Heart rate analyzer	Instrument for measuring the rate of heart contractions.	MDC_DEV_CARD_RATE	1::5200
Monitor Vital Signs Physiologic <type>	Vital signs monitor	Instrument for direct measurement and analysis of vital signs such as temperature, pulse or heart rate, blood pressure and respiratory rate.	MDC_DEV_SYS_VS	1::5204
Monitor Vital Signs, Configurable Physiologic <type>	Configurable (modular) vital signs monitor	Configurable (modular) instrument for direct measurement and analysis of vital signs.	MDC_DEV_SYS_VS_CONFIG	1::5208
Monitor Vital Signs, Non-configurable Physiologic <type>	Non-configurable vital signs monitor	Non-configurable (fixed functionality) instrument for direct measurement and analysis of vital signs.	MDC_DEV_SYS_VS_UNCONFIG	1::5212
Alert Status <type>	Generic alarm status indicator	Instrument displays alarm status.	MDC_DEV_AL_STAT	1::5216
Device, waveform <type>	General waveform device	Generic waveform device, of any type.	MDC_DEV_WV_GENERAL	1::5220
Device, numeric <type>	General numeric device	Generic numeric device, of any type.	MDC_DEV_NU_GENERAL	1::5224
Meter Pressure <type>	Pressure meter or sensor	Instrument or sensor for the direct measurement of pressure.	MDC_DEV_METER_PRESS	1::5228
Device Flow, perfusion Blood <type>	Perfusion	Instrument for the measurement of blood perfusion.	MDC_DEV_ANALY_PERF_REL	1::5232

Table A.5.1—Nomenclature and codes for vital signs devices (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Device Plethysmograph <type>	Plethysmograph	Instrument for measuring changes in volume within an organ or body part due to fluctuations in the amount of blood or air it contains.	MDC_DEV_PLETH	1::5236
Calculator Multi-Parameter Cardiac <type>	Cardiac calculator	Instrument that derives cardiac parameters.	MDC_DEV_CALC_CARD	1::5240
Calculator Multi-Parameter Pulmonary <type>	Pulmonary calculator	Instrument that derives pulmonary parameters.	MDC_DEV_CALC_PULM	1::5244
Calculator Multi-Parameter, with estimates Pulmonary <type>	Pulmonary estimates calculator	Instrument that derives pulmonary parameters, where one or more inputs to the calculation may be clinically acceptable approximations or alternative values.	MDC_DEV_CALC_PULM_EST	1::5248
Analyzer Concentration, O ₂ Blood, Arterial <type>	SpO ₂ monitor	Instrument that derives the % of arterial O ₂ and pulse rate parameters (blood flow) and other analytes.	MDC_DEV_ANALY_SAT_O2_ART	1::5252
Analyzer Concentration, O ₂ Blood, Venous <type>	SvO ₂ monitor	Instrument that derives the % of venous O ₂ .	MDC_DEV_ANALY_SAT_O2_VEN	1::5256
Analyzer Concentration, PgCO ₂ Gastric, Mucosal <type>	Gastric PgCO ₂ monitor	Instrument that measures gastric PgCO ₂ with tonometric catheters.	MDC_DEV_ANALY_PCO2_GASTRI C	1::5260
Analyzer ElectricalPotential, Bispectral Index Brain <type>	Bispectral Index	Instrument that measures the EEG and derives a "bispectral index", a computed EEG parameter.	MDC_DEV_EEG_BIS	1::5264
Analyzer ElectricalPotential, Entropy Brain <type>	Entropy	Instrument that measures the EEG and derives an "entropy" index, a computed EEG parameter.	MDC_DEV_EEG_ENTROPY	1::5268
Analyzer ElectricalPotential, SNAP Index Brain <type>	SNAP Index	Instrument that measures the EEG and derives an "SNAP" index, a computed EEG parameter.	MDC_DEV_EEG_SNAP	1::5272
Analyzer ElectricalPotential, Patient State Index Brain <type>	Patient State Index	Instrument that measures the EEG and derives a "patient state index", a computed EEG parameter.	MDC_DEV_EEG_PSI	1::5276
Analyzer Flow, Continuous Blood <type>	Continuous cardiac output	Instrument that continuously derives heart output from direct measurement of blood flow.	MDC_DEV_ANALY_CARD_OUTPU T_CTS	1::5280
Analyzer Flow, Continuous, Non-invasive Blood <type>	Continuous non-invasive cardiac output	Instrument that derives heart output from direct measurement of blood flow.	MDC_DEV_ANALY_CARD_OUTPU T_NONINV	1::5284
Regulator Microenvironment Body, infant <type>	Incubator, warmer, heater, humidifier	Instrument for modifying the ambient microenvironment for an infant, including skin temperature and ambient temperature, humidity and oxygen.	MDC_DEV_INFANT_MICROENV	1::5288

Table A.5.1—Nomenclature and codes for vital signs devices (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Regulator Microenvironment, temperature ambient <type>	Incubator, warmer, heater.	Instrument for modifying the ambient temperature for an infant.	MDC_DEV_INFANT_MICROENV_T EMP_ENV	1::5292
Regulator Microenvironment, temperature patient <type>	Incubator, warmer, heater.	Instrument for modifying the patient temperature for an infant.	MDC_DEV_INFANT_MICROENV_T EMP_PATIENT	1::5296
Regulator Microenvironment, heater, convective patient <type>	Convective heater	Instrument for modifying the patient temperature using convective heating.	MDC_DEV_INFANT_MICROENV_H EATER_CONVECTIVE	1::5300
Regulator Microenvironment, heater, radiant patient <type>	Radiant heater	Instrument for modifying the patient temperature using radiant heating.	MDC_DEV_INFANT_MICROENV_H EATER_RADIAN	1::5304
Regulator Microenvironment, humidity ambient <type>	Incubator, warmer, humidifier	Instrument for modifying the ambient humidity for an infant.	MDC_DEV_INFANT_MICROENV_H UMIDITY	1::5324
Regulator Microenvironment, oxygen ambient <type>	Incubator, warmer, ambient oxygen	Instrument for modifying the ambient oxygen for an infant.	MDC_DEV_INFANT_MICROENV_O 2	1::5328
Analyzer Concentration Airway, N2 <type>	N2 gas analyzer	Instrument for the direct measurement of airway N2 concentration.	MDC_DEV_N2	1::5308
Analyzer Concentration Airway, N2O <type>	N2O gas analyzer	Instrument for the direct measurement of airway N2O concentration.	MDC_DEV_N2O	1::5312
Nebulizer <type>	Nebulizer	Device that aerosolizes medications, diluents and water in airway gas for inhalation by patient.	MDC_DEV_NEBULIZER	1::5316
Device ElectricalConductivity Transthoracic conductance <type>	Impedance cardiography	Instrument for the indirect measurement and estimation of cardiac and/or respiratory parameters by measuring the electrical conductivity of the thorax and its changes over time.	MDC_DEV_ICG	1::5320

A.6 Terminology and codes for units of measurement (Partition 4)

A.6.1 Introduction

Clause A.6 presents a simple list (see Table A.6.4.1) for the coding of units of measurement. The units originate from CEN ENV 12435 [B3] but have been supplemented. Wherever possible, that document has been used to describe units; however, in some circumstances, different units are stated primarily because of their common usage in vital signs measurement.

The codes defined in this clause are used in the *unit-code* attributes of objects defined in the DIM. For performance reasons, this attribute is not able to represent units of measurement constructed from a number of base units by defining a construction formula. The attribute can contain a single code only.

To describe units of measurements that are not defined in Table A.6.4.1, the *Unspecified* term is added to the table. If this term is used, the actual unit of measurement must be communicated via a textual attribute (i.e., *unit-label-string* attribute). This attribute allows manufacturers to make use of unusual, unlisted, or new measurements that require specific terms not included in the current list. The textual representation of the unit of measurement should contain the SI term for the unit, if available.

Because of current clinical practice, a number of alternative units of measurement that are defined in this clause are allowed to represent the same quantity. However, it is strongly encouraged to use the appropriate SI units.

Some non metric units are also included (e.g., pound, yard). Although usage of these units is deprecated to that of their metric equivalent, they are included in this nomenclature to support devices that do not internally support metric units or that do not have the computing capability to make the necessary conversions whenever the non metric values are communicated. Additionally, a device that is displaying non metric units to the operator may want to communicate exactly the same representation to minimize the chances of differences that could result from making multiple conversions.

The list is not intended to be exhaustive and will be supplemented over time.

A.6.2 Orders of magnitude discriminator

For certain units of measurement outlined in Table A.6.4.1, it is possible to specify the order of magnitude to construct additional more suitable units of measurements.

In the coding scheme, a code offset can be added to the base code of the unit where this option is explicitly allowed in Table A.6.4.1 as indicated by the notation *<magnitude>* and the infix “_X_” in the RefId.

EXAMPLE: The base code value for *meter* as defined in Table A.6.4.1 is 1280. The code offset for *milli* (10^{-3}) as defined in Table A.6.2.1 is 18. Therefore, the code for *millimeter* is 1298 (1280 + 18).

Note that steps of a factor of 1000 are preferred for the order of magnitude discriminators.

In such cases, the RefId will include the infix “_X_” in the base code. The infix is replaced by the order of magnitude infix as in Table A.6.2.1.

EXAMPLE: The base RefId for *meter* as defined in Table A.6.4.1 is MDC_DIM_X_M. The simple unit is expressed either by leaving the “_X_” or by replacing “_X_” by “_”, as MDC_DIM_M. Other magnitude forms include the infix as MDC_DIM_KILO_M.

The order of magnitude discriminators (decimal factors) are defined in Table A.6.2.1.

Table A.6.2.1—Table of decimal factors

Name	Magnitude	Code offset	RefId infix
yotta	10^{+24}	10	_YOTTA_
zetta	10^{+21}	9	_ZETTA_
exa	10^{+18}	8	_EXA_
peta	10^{+15}	7	_PETA_
tera	10^{+12}	6	_TERA_
giga	10^{+9}	5	_GIGA_
mega	10^{+6}	4	_MEGA_
kilo	10^{+3}	3	_KILO_
hecto	10^{+2}	2	_HECTO_
deca	10^{+1}	1	_DECA_
	10^{+0}	0	_ or _X_
deci	10^{-1}	16	_DECI_
centi	10^{-2}	17	_CENTI_
milli	10^{-3}	18	_MILLI_
micro	10^{-6}	19	_MICRO_
nano	10^{-9}	20	_NANO_
pico	10^{-12}	21	_PICO_
femto	10^{-15}	22	_FEMTO_
atto	10^{-18}	23	_ALTO_
zepto	10^{-21}	24	_ZEPTO_
yocto	10^{-24}	25	_YOCTO_

A.6.3 Units outside of SI

Certain units of measurement are in such wide use that even though they are not SI units, they are acceptable for use in specific applications. For the field of interest, i.e., vital signs, the non-SI units listed in Table A.6.3.1 are relevant (a complete listing of the codes is specified in Table A.6.4.1).

Table A.6.3.1—Non-SI units (multipage table)

Unit of measurement	Symbol	Authority ^a
liter ^b	l, L	CGPM
year	y	
month	moth	
week	wk	
day	d	EU, CGPM
hour	h	EU, CGPM

Table A.6.3.1—Non-SI units (*multipage table*)

Unit of measurement	Symbol	Authority ^a
minute	min	EU, CGPM
international unit	i.u.	WHO
millimeter-mercury	mmHg	EU
centimeter of water	cm H ₂ O	
dyne	dyn	CGPM

^a CGPM General Conference on Weights and Measures

WHO World Health Organization

EU European Union

^b Liter The SI system [B25] generally reserves a capital letter for units of measure taken from the name of a person. However, in the case of liter the small letter l is easily confused with the number 1 in many typefaces. For this reason some countries are recommending the use of capital letter L for liter. However there is currently no consensus. UCUM [B26] allows both small and capital “L” for liter. Capital letter L is used for liter in this standard to avoid confusion.

A.6.4 Units of measurement

See Table A.6.4.1 for the units of measurement for vital signs.

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
Unspecified		<Unspecified>		{unknown}	MDC_DIM_NOS	4::0
		<Unspecified>		{unknown}	MDC_DIM_MULT	4::1
		<Unspecified>		{unknown}	MDC_DIM_DIV	4::2
Dimensionless	1	<dimensionless>		{unitless}	MDC_DIM_DIMLESS	4::512
	[Bel]	Decibel	dB	dB	MDC_DIM_DECIBEL	4::6432
	1	10 ⁻² (percent)	%	%	MDC_DIM_PERCENT	4::544
	1	10 ³ (part(s) per 10 ³)	Ppth	[ppth]	MDC_DIM_PARTS_PER_10_TO_3	4::576
	1	10 ³ (part(s) per 10 ³)	Ppth	[ppth]	MDC_DIM_PARTS_PER_THOUSAND	4::576
	1	10 ⁶ (part(s) per 10 ⁶)	Ppm	[ppm]	MDC_DIM_PARTS_PER_10_TO_6	4::608
	1	10 ⁶ (part(s) per 10 ⁶)	Ppm	[ppm]	MDC_DIM_PARTS_PER_MILLION	4::608
	1	10 ⁹ (part(s) per 10 ⁹)		10 ⁹ 10 ⁹	MDC_DIM_PARTS_PER_10_TO_9	4::640
	1	10 ¹² (part(s) per 10 ¹²)		10 ¹² 10 ¹²	MDC_DIM_PARTS_PER_10_TO_12	4::672
	1	10 ¹⁵ (part(s) per 10 ¹⁵)		10 ¹⁵ 10 ¹⁵	MDC_DIM_PARTS_PER_10_TO_15	4::11872
	1	10 ¹⁸ (part(s) per 10 ¹⁸)		10 ¹⁸ 10 ¹⁸	MDC_DIM_PARTS_PER_10_TO_18	4::704
Angles	[rad]	angle degree	degree	deg	MDC_DIM_ANG_DEG	4::736
	[rad]	angle radian	rad	rad	MDC_DIM_ANG_RAD	4::768
	[rad]	<magnitude> rotations	rotations	360;deg 2.[pi].rad	MDC_DIM_X_ROTATIONS	4::11936
Mass fraction	MM-1	<magnitude> gram(s) per gram	g g ⁻¹	g/g	MDC_DIM_X_G_PER_G	4::800
	MM-1	<magnitude> gram(s) per kilogram	g kg ⁻¹	g/kg	MDC_DIM_X_G_PER_KG	4::832
	MM-1	<magnitude> gram(s) per milligram	g mg ⁻¹	g/mg	MDC_DIM_X_G_PER_MG	4::6464
Relative quantity	NN-1	<magnitude> mole(s) per mole	mol mol ⁻¹	mol/mol	MDC_DIM_X_MOLE_PER_MOLE	4::864
Volume fraction	L3L-3	<magnitude> liter(s) per liter	L L ⁻¹	L/L	MDC_DIM_X_L_PER_L	4::896
	L3L-3	<magnitude> liter(s) per deciliter	L dL ⁻¹	L/dL	MDC_DIM_X_L_PER_DL	4::6400

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
	L3L-3	cubic <magnitude> meter(s) per cubic meter	m ³ m ⁻³	m3/m3	MDC_DIM_CUBIC_X_M_PER_M_CUBE	4::928
	L3L-3	cubic <magnitude> meter(s) per cubic centimeter	m ³ cm ⁻³	m3/cm3	MDC_DIM_CUBIC_X_M_PER_CM_CUBE	4::960
	L3L-3	volume percent	vol %	%{vol}	MDC_DIM_VOL_PERCENT	4::6240
Special vital signs counts	[pH]	pH	pH	[pH]	MDC_DIM_PH	4::992
	1	drop	drop	[drp]	MDC_DIM_DROP	4::1024
	1	red blood cell(s)	RBC	{rbc}	MDC_DIM_RBC	4::1056
	1	beat	beat	{beat}	MDC_DIM_BEAT	4::1088
	1	breath	breath	{breath}	MDC_DIM_BREATH	4::1120
	1	cell	cell	{cell}	MDC_DIM_CELL	4::1152
	1	cough	cough	{cough}	MDC_DIM_COUGH	4::1184
	1	sigh	sigh	{sigh}	MDC_DIM_SIGH	4::1216
	1	percent of packed cell volume	%PCV	%{pcv}	MDC_DIM_PCT_PCV	4::1248
L (length)	L	<magnitude> meter(s)	m	m	MDC_DIM_X_M	4::1280
	L	yard	yd	[yd_i]	MDC_DIM_YARD	4::1312
	L	foot	ft	[ft_i]	MDC_DIM_FOOT	4::1344
	L	inch	in	[in_i]	MDC_DIM_INCH	4::1376
	L	step	step	{unitless}	MDC_DIM_STEP	4::1520
L (areic volume)	L	<magnitude> liter(s) per square meter	L m ⁻²	L/m2	MDC_DIM_X_L_PER_M_SQ	4::1408
L ⁻¹	L-1	per <magnitude> meter	m ⁻¹	/m	MDC_DIM_PER_X_M	4::1440
L T ⁻¹ (velocity)	LT-1	<magnitude> meter(s) per second	m s ⁻¹	m/s	MDC_DIM_X_M_PER_SEC	4::2816
	LT-1	<magnitude> meter per minute	m min ⁻¹	m/min	MDC_DIM_X_M_PER_MIN	4::6560
	LT-1	<magnitude> meter per hour	m hr ⁻¹	m/h	MDC_DIM_X_M_PER_HR	4::12000
	LT-1	miles per hour, mph	mph	[mi_i]/h	MDC_DIM_MPH	4::12032
	LT-1	foot per minute	[foot_i] min ⁻¹	[ft_i]/min	MDC_DIM_FOOT_PER_MIN	4::1552

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
	LT-1	inch per minute	[inch] min ⁻¹	[in_l]/min	MDC_DIM_INCH_PER_MIN	4::11584
	LT-1	step per minute	[step] min ⁻¹	{unitless}/min	MDC_DIM_STEP_PER_MIN	4::11616
	LT[rad]T-1	<magnitude> radians per second	rad s ⁻¹	rad/s	MDC_DIM_X_RAD_PER_SEC	4::6688
	[rad]T-1	<magnitude> revolutions per minute	rpm	360.deg/min 2.[pi].rad/min	MDC_DIM_X_ROTATIONS_PER_MIN	4::8096
L ² (area)	L2	square <magnitude> meter(s)	m ²	m2	MDC_DIM_SQ_X_M	4::1472
	L2	square inch	in ²	[in_l]2	MDC_DIM_SQ_INCH	4::1504
L ⁻²	L-2	per square <magnitude> meter	m ⁻²	/m2	MDC_DIM_PER_SQ_X_M	4::1536
L ³ (volume)	L3	cubic <magnitude> meter(s)	m ³	m3	MDC_DIM_CUBIC_X_M	4::1568
	L3	<magnitude> liter(s)	L	L	MDC_DIM_X_L	4::1600
	L3	<magnitude> liter(s) per breath	L breath ⁻¹	L/{breath} L	MDC_DIM_X_L_PER_BREATH	4::1632
	L3	<magnitude> liter(s) per beat	L beat ⁻¹	L/{beat} L	MDC_DIM_X_L_PER_BEAT	4::6112
L ⁻³	L-3	per cubic <magnitude> meter	m ⁻³	/m3	MDC_DIM_PER_CUBIC_X_M	4::1664
	L-3	per <magnitude> liter	L ⁻¹	/L	MDC_DIM_PER_X_L	4::1696
A (acceleration)	LT-2	<magnitude> meter(s) per seconds squared	m/s ²	m/s2	MDC_DIM_X_M_PER_SEC_SQ	4::6624
	[rad]T-2	<magnitude> radians per seconds squared ^a	rad/s ²	rad/s2	MDC_DIM_X_RAD_PER_SEC_SQ	4::6656
M (mass)	M	<magnitude> gram	g	g	MDC_DIM_X_G	4::1728
	M	pound	lb	[lb_av]	MDC_DIM_LB	4::1760
	M	ounce	oz	[oz_av]	MDC_DIM_OZ	4::1792
M ⁻¹	M-1	per <magnitude> gram	g ⁻¹	/g	MDC_DIM_PER_X_G	4::1824
ML	ML	<magnitude> gram meter	g m	g.m	MDC_DIM_X_G_M	4::1856
ML ⁻¹	ML-1	<magnitude> gram(s) meter per square meter	g m m ⁻²	g.m/m2	MDC_DIM_X_G_M_PER_M_SQ	4::1888
ML ² (moment of inertia)	ML2	<magnitude> gram meter squared	g m ²	g.m2	MDC_DIM_X_G_M_SQ	4::1920

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
ML ⁻²	ML-2	<magnitude> gram(s) per square meter	g m ⁻²	g/m2	MDC_DIM_X_G_PER_M_SQ	4::7744
ML ⁻³ (concentration of mass)	ML-3	<magnitude> gram(s) per cubic meter	g m ⁻³	g/m3	MDC_DIM_X_G_PER_M_CUBE	4::1984
	ML-3	<magnitude> gram(s) per cubic centimeter	g cm ⁻³	g/cm3	MDC_DIM_X_G_PER_CM_CUBE	4::2016
	ML-3	<magnitude> gram(s) per liter	g L ⁻¹	g/L	MDC_DIM_X_G_PER_L	4::2048
	ML-3	<magnitude> gram(s) per centiliter	g cL ⁻¹	g/cL	MDC_DIM_X_G_PER_CL	4::2080
	ML-3	<magnitude> gram(s) per deciliter	g dL ⁻¹	g/dL	MDC_DIM_X_G_PER_DL	4::2112
	ML-3	<magnitude> gram(s) per milliliter	g mL ⁻¹	g/mL	MDC_DIM_X_G_PER_ML	4::2144
T (time)	T	<magnitude> second	s	s	MDC_DIM_X_SEC	4::2176
	T	minute	min	min	MDC_DIM_MIN	4::2208
	T	hour	h	h	MDC_DIM_HR	4::2240
	T	day	d	d	MDC_DIM_DAY	4::2272
	T	weeks	weeks	wk	MDC_DIM_WEEKS	4::2304
	T	months	month	mo	MDC_DIM_MON	4::2336
	T	year	y	a	MDC_DIM_YR	4::2368
	T	time of day - hh:mm:ss	TOD	{unitless}	MDC_DIM_TOD	4::2400
	T	date - yyyy-mm-dd	DATE	{unitless}	MDC_DIM_DATE	4::2432
	T	Tick (as defined by MDC_ATTR_TICK_RES)	tick	s	MDC_DIM_TICK	4::11648
T ⁻¹ (rate, frequency)	T-1	per <magnitude> second	s ⁻¹	/s	MDC_DIM_PER_X_SEC	4::2464
	T-1	<magnitude> hertz	Hz	Hz	MDC_DIM_X_HZ	4::2496
	T-1	per minute	min ⁻¹	/min {count}/min 1/min /min	MDC_DIM_PER_MIN	4::2528
	T-1	per hour	h ⁻¹	/h	MDC_DIM_PER_HR	4::2560

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
	T-1	per day	d^{-1}	/d	MDC_DIM_PER_DAY	4::2592
	T-1	per week	$week^{-1}$	/wk	MDC_DIM_PER_WK	4::2624
	T-1	per month	$month^{-1}$	/mo	MDC_DIM_PER_MO	4::2656
	T-1	per year	y^{-1}	/a	MDC_DIM_PER_YR	4::2688
Special vital signs rates	T-1	beat per minute	bpm	/min 1/min {beat}/min {beats}/min/s2	MDC_DIM_BEAT_PER_MIN	4::2720
	T-1L-3	beat per minute per <magnitude> liter	bpm L^{-1}	{beat}/min/L 1/min/L /min/L {beats}/min/L	MDC_DIM_BEAT_PER_MIN_PER_X_L	4::6496
	T-1	puls per minute	puls min^{-1}	/min 1/min {pulse}/min {pulses}/min	MDC_DIM_PULS_PER_MIN	4::2752
	T-1	respirations per minute	resp min^{-1}	/min 1/min {breath}/min {breaths}/min {resp}/min	MDC_DIM_RESP_PER_MIN	4::2784
	T-1	<magnitude> events per hour	events hour ⁻¹	{event}/h {events}/h 1/h {resp}/h	MDC_DIM_X_EVT_PER_HR	4::11744
TT-1	TT-1	International Normalized Ratio	INR	{INR} 1	MDC_DIM_INR	4::11392
L1-1 (areic volume rate)	L3T-1L-2LT-1	<magnitude> liter(s) per minute per square meter	$L \min^{-1} m^{-2}$	L/min/m2	MDC_DIM_X_L_PER_MIN_PER_M_SQ	4::2848
L2-1	L2T-1	square <magnitude> meter(s) per second	$m^2 s^{-1}$	m2/s	MDC_DIM_SQ_X_M_PER_SEC	4::2880
L3-1 (volume flow rate)	L3T-1	cubic <magnitude> meter(s) per second	$m^3 s^{-1}$	m3/s	MDC_DIM_CUBIC_X_M_PER_SEC	4::2912
	L3T-1	cubic <magnitude> meter(s) per minute	$m^3 \min^{-1}$	m3/min	MDC_DIM_CUBIC_X_M_PER_MIN	4::2944
	L3T-1	cubic <magnitude> meter(s) per hour	$m^3 h^{-1}$	m3/h	MDC_DIM_CUBIC_X_M_PER_HR	4::2976
	L3T-1	cubic <magnitude> meter(s) per day	$m^3 d^{-1}$	m3/d	MDC_DIM_CUBIC_X_M_PER_DAY	4::3008

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
	L3T-1	<magnitude> liter(s) per second	L s ⁻¹	L/s	MDC_DIM_X_L_PER_SEC	4::3040
	L3T-1	<magnitude> liter(s) per minute	L min ⁻¹	L/min	MDC_DIM_X_L_PER_MIN	4::3072
	L3T-1	<magnitude> liter(s) per hour	L h ⁻¹	L/h	MDC_DIM_X_L_PER_HR	4::3104
	L3T-1	<magnitude> liter(s) per day	L d ⁻¹	L/d	MDC_DIM_X_L_PER_DAY	4::3136
L ³ M ⁻¹ (volume content)	L3M-1	<magnitude> liter(s) per kilogram	L kg ⁻¹	L/kg	MDC_DIM_X_L_PER_KG	4::3168
	L3M-1	cubic <magnitude> meter(s) per kilogram	m ³ d ⁻¹	m ³ /kg	MDC_DIM_CUBIC_X_L_PER_KG	4::3200
L ² M ⁻¹ T (permeability)	L2M-1T	<magnitude> meter per Pascal second	m Pa ⁻¹ s ⁻¹	m/Pa/s	MDC_DIM_X_M_PER_PASCAL_SEC	4::3232
	L2M-1T	<magnitude> liter per min. per millimeter of mercury	L min ⁻¹ mmHg ⁻¹	L/min/mm[Hg]	MDC_DIM_X_L_PER_MIN_PER_ML_HG	4::3264
MT ⁻¹ (mass flow rate)	MT-1	<magnitude> gram(s) per second	g s ⁻¹	g/s	MDC_DIM_X_G_PER_SEC	4::3296
	MT-1	<magnitude> gram(s) per minute	g min ⁻¹	g/min	MDC_DIM_X_G_PER_MIN	4::3328
	MT-1	<magnitude> gram(s) per hour	g h ⁻¹	g/h	MDC_DIM_X_G_PER_HR	4::3360
	MT-1	<magnitude> gram(s) per day	g d ⁻¹	g/d	MDC_DIM_X_G_PER_DAY	4::3392
MT ⁻¹ M ⁻¹ (mass fraction rate, dosage)	MT-1M-1	<magnitude> gram(s) per kilogram per second	g kg ⁻¹ s ⁻¹	g/kg/s	MDC_DIM_X_G_PER_KG_PER_SEC	4::3424
	MT-1M-1	<magnitude> gram(s) per kilogram per minute	g kg ⁻¹ min ⁻¹	g/kg/min	MDC_DIM_X_G_PER_KG_PER_MIN	4::3456
	MT-1M-1	<magnitude> gram(s) per kilogram per hour	g kg ⁻¹ h ⁻¹	g/kg/h	MDC_DIM_X_G_PER_KG_PER_HR	4::3488
	MT-1M-1	<magnitude> gram(s) per kilogram per day	g kg ⁻¹ d ⁻¹	g/kg/d	MDC_DIM_X_G_PER_KG_PER_DAY	4::3520
L ⁻³ MT ⁻¹ (mass concentration rate)	ML-3T-1	<magnitude> gram (s) per liter per second	g L ⁻¹ s ⁻¹	g/L/s	MDC_DIM_X_G_PER_L_PER_SEC	4::3552

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
	ML-3T-1	<magnitude> gram(s) per liter per minute	$\text{g L}^{-1} \text{m}^{-1}$	g/L/min	MDC_DIM_X_G_PER_L_PER_MIN	4::3584
	ML-3T-1	<magnitude> gram(s) per liter per hour	$\text{g L}^{-1} \text{h}^{-1}$	g/L/h	MDC_DIM_X_G_PER_L_PER_HR	4::3616
	ML-3T-1	<magnitude> gram(s) per deciliter per hour	$\text{g dL}^{-1} \text{h}^{-1}$	g/dL/min	MDC_DIM_X_G_PER_DL_PER_MIN	4::11680
	ML-3T-1	<magnitude> gram(s) per liter per day	$\text{g L}^{-1} \text{d}^{-1}$	g/L/d	MDC_DIM_X_G_PER_L_PER_DAY	4::3648
$\text{L}^{-1}\text{MT}^{-1}$ (dynamic viscosity)	L-1MT-1	<magnitude> gram(s) per meter per second	$\text{g m}^{-1} \text{s}^{-1}$	g/m/s	MDC_DIM_X_G_PER_M_PER_SEC	4::3680
LMT^{-1} (momentum, impulse)	LMT-1	<magnitude> gram meter(s) per second	gm s^{-1}	g.m/s	MDC_DIM_X_G_M_PER_SEC	4::3712
	LMT-2T	<magnitude> Newton second(s)	Ns	N.s	MDC_DIM_X_NEWTON_SEC	4::3744
LMT^{-2} (force)	LMT-2	<magnitude> Newton	N	N	MDC_DIM_X_NEWTON	4::3776
	LMT-2	<magnitude> dyne	dyn	dyn	MDC_DIM_X_DYNE	4::3808
$\text{L}^{-1}\text{MT}^{-2}$ (pressure)	LMT-2L-2	<magnitude> Pascal	Pa	Pa	MDC_DIM_X_PASCAL	4::3840
	LMT-2L-2	millimeter(s) of mercury	mmHg	mm[Hg]	MDC_DIM_MMHG	4::3872
	LMT-2L-2	centimeter of water	cm H ₂ O	cm[H ₂ O]	MDC_DIM_CM_H2O	4::3904
	LMT-2L-2	<magnitude> bar	bar	bar	MDC_DIM_X_BAR	4::3936
	LMT-2L-2	pounds per square inch	psi	[psi]	MDC_DIM_PSI	4::6592
	LMT-2L-2	inches of mercury		[in-][Hg]	MDC_DIM_INHG	4::11968
L^2MT^{-2} (energy)	L2MT-2	<magnitude> Joule(s)	J	J	MDC_DIM_X_JOULES	4::3968
	L2MT-2	<magnitude> electronVolt(s)	eV	eV	MDC_DIM_X_EVOLT	4::4000
	L2MT-2	<magnitude> watt hour	Wh	Wh	MDC_DIM_X_WATT_HR	4::11776
L^2MT^{-3} (power)	L2MT-3	<magnitude> watt(s)	W	W	MDC_DIM_X_WATT	4::4032
	L2MT-3T	<magnitude> watt(s) per Hz	W/Hz	W/Hz	MDC_DIM_X_WATT_PER_HZ	4::11360

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
	L2MT-3L-2	<magnitude> gram-force meters per minute per square meter	gf.m/min/m ²	gf.m/min/m2	MDC_DIM_X_G_FORCE_M_PER_MIN_PER_M2	4::11328
L ⁴ MT ⁻¹ (hydraulic impedance)	L-4MT-1	<magnitude> Pascal second per cubic meter	Pa s m ⁻³	Pa.s/m3	MDC_DIM_X_PASCAL_SEC_PER_M_CUBE	4::4064
Vascular Resistance	L-4MT-1	<magnitude> Pascal second per liter	Pa s l ⁻¹	Pa.s/L	MDC_DIM_X_PASCAL_SEC_PER_L	4::4096
	L-4MT-1	dyne seconds per centimeter to the power of 5	dyne s cm ⁻⁵	dyn.s/cm5	MDC_DIM_DYNE_SEC_PER_CM_5	4::8512
L ⁴ M ⁻¹ T ² (compliance)	L4M-1T2	<magnitude> liter per centimeter of water	L (cmH ₂ O) ⁻¹	L/cm[H2O]	MDC_DIM_X_L_PER_CM_H2O	4::5888
	L4M-1T2	<magnitude> liter per millimeter of mercury	L (mmHg) ⁻¹	L/mm[Hg]	MDC_DIM_X_L_PER_MM_HG	4::6272
	L4M-1T2	<magnitude> liter per Pascal	L Pa ⁻¹	L/Pa	MDC_DIM_X_L_PER_MM_PA	4::6304
L ⁴ MT ⁻² (elastance)	L-4MT-2	centimeter of water per <magnitude> liter	cmH ₂ O l ⁻¹	cm[H2O]/L	MDC_DIM_CM_H2O_PER_L	4::6144
	L-4MT-2	millimeter of mercury per <magnitude> liter	mmHg l ⁻¹	mm[Hg]/L	MDC_DIM_MM_HG_PER_X_L	4::6336
	L-4MT-2	Pascal per <magnitude> liter	Pa l ⁻¹	Pa/L	MDC_DIM_PA_PER_X_L	4::6368
	L-4MT-2	per <magnitude> liter per minute	l ⁻¹ min ⁻¹	/L/min	MDC_DIM_PER_X_L_PER_MIN	4::6528
I (electrical current)	I	<magnitude> ampere(s)	A	A	MDC_DIM_X_AMPS	4::4160
IT (electrical charge)	IT	<magnitude> Coulomb(s)	C	C	MDC_DIM_X_COULOMB	4::4192
	IT	<magnitude> ampere(s) hour	Ah	A.h	MDC_DIM_X_AMP_HR	4::6080
IL ⁻¹ (magnetic field strength)	IL-1	<magnitude> ampere(s) per meter	A m ⁻¹	A/m	MDC_DIM_X_AMPS_PER_M	4::4224
ML2-1T-3 (electric potential)	ML2I-1T-3	<magnitude> Volt(s)	V	V	MDC_DIM_X_VOLT	4::4256
ML2-2T-3 (electric resistance)	ML2I-2T-3	<magnitude> Ohm(s)	Ω	Ohm	MDC_DIM_X_OHM	4::4288

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
ML ³ L ⁻² T ⁻³ (electric resistivity)	ML ³ L ⁻² T ⁻³	<magnitude> Ohm meter(s)	Ωm	Ohm.m	MDC_DIM_X_OHM_M	4::4320
I ² T ⁴ M ⁻¹ L ⁻² (electrical capacitance)	I ² T ⁴ M ⁻¹ L ⁻²	<magnitude> farad(s)	F	F	MDC_DIM_X_FARAD	4::4352
Q (temperature)	Q	Kelvin	K	K	MDC_DIM_KELVIN	4::4384
	Q	degree Celsius	°C	Cel	MDC_DIM_DEGC	4::6048
	Q	degree Fahrenheit	°F	[degF]	MDC_DIM_FAHR	4::4416
QT ³ M ⁻¹ L ⁻² (thermal resistance)	QT ³ M ⁻¹ L ⁻²	Kelvin(s) per <magnitude> watt	KW ⁻¹	KW	MDC_DIM_KELVIN_PER_X_WATT	4::4448
J (luminous intensity)	J	<magnitude> candela(s)	cd	cd	MDC_DIM_X_CANDELA	4::4480
Luminous flux	J	<magnitude> lumen(s)	lumen	lm	MDC_DIM_X_LUMEN	4::11904
Luminance	LJL ⁻²	<magnitude> lumen(s) per square meters	lumen/m ²	lm/m ²	MDC_DIM_X_LUMEN_PER_M_SQ	4::6720
	1	Microabsorbance (SpO ₂ , optical)	1	{microabsorbance} {unitless} 1	MDC_DIM_MICRO_ABSORBANCE	4::11488
N (amount of substance)	N	<magnitude> osmole(s)	osmole	osm	MDC_DIM_X_OSM	4::4512
	N	<magnitude> mole(s)	mol	mol	MDC_DIM_X_MOLE	4::4544
	N	<magnitude> equivalent	eq	eq	MDC_DIM_X_EQUIV	4::4576
NL ⁻³ (concentration)	NL ⁻³	<magnitude> osmoles per liter	osmol l ⁻¹	osm/L	MDC_DIM_X_OSM_PER_L	4::4608
	NL ⁻³	<magnitude> mole(s) per cubic centimeter	mol cm ⁻³	mol/cm ³	MDC_DIM_X_MOLE_PER_CM_CUBE	4::4640
	NL ⁻³	<magnitude> mole(s) per cubic meter	mol m ⁻³	mol/m ³	MDC_DIM_X_MOLE_PER_M_CUBE	4::4672
	NL ⁻³	<magnitude> mole(s) per liter	mol l ⁻¹	mol/L	MDC_DIM_X_MOLE_PER_L	4::4704

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
	NL-3	<magnitude> mole(s) per milliliter	mol mL ⁻¹	mol/mL	MDC_DIM_X_MOLE_PER_ML	4::4736
	NL-3	<magnitude> equivalents per cubic centimeter	eq cm ⁻³	eq/cm3	MDC_DIM_X_EQUIV_PER_CM_CUBE	4::4768
	NL-3	<magnitude> equivalents per cubic meter	eq m ⁻³	eq/m3	MDC_DIM_X_EQUIV_PER_M_CUBE	4::4800
	NL-3	<magnitude> equivalents per liter	eq l ⁻¹	eq/L	MDC_DIM_X_EQUIV_PER_L	4::4832
	NL-3	<magnitude> equivalents per milliliter	eq mL ⁻¹	eq/mL	MDC_DIM_X_EQUIV_PER_ML	4::4864
NM ⁻¹ (substance content)	NM-1	<magnitude> osmoles per kilogram	osmol kg ⁻¹	osm/kg	MDC_DIM_X_OSM_PER_KG	4::4896
	NM-1	<magnitude> mole(s) per kilogram	mol kg ⁻¹	mol/kg	MDC_DIM_X_MOLE_PER_KG	4::4928
NT ⁻¹ (substance rate)	NT-1	<magnitude> mole(s) per second	mol s ⁻¹	mol/s	MDC_DIM_X_MOLE_PER_SEC	4::4960
	NT-1	<magnitude> mole(s) per minute	mol min ⁻¹	mol/min	MDC_DIM_X_MOLE_PER_MIN	4::4992
	NT-1	<magnitude> mole(s) per hour	mol h ⁻¹	mol/h	MDC_DIM_X_MOLE_PER_HR	4::5024
	NT-1	<magnitude> mole(s) per day	mol d ⁻¹	mol/d	MDC_DIM_X_MOLE_PER_DAY	4::5056
	NT-1	<magnitude> equivalents per second	eq s ⁻¹	eq/s	MDC_DIM_X_EQUIV_PER_SEC	4::5088
	NT-1	<magnitude> equivalents per minute	eq min ⁻¹	eq/min	MDC_DIM_X_EQUIV_PER_MIN	4::5120
	NT-1	<magnitude> equivalents per hour	eq h ⁻¹	eq/h	MDC_DIM_X_EQUIV_PER_HR	4::5152
	NT-1	<magnitude> equivalents per day	eq d ⁻¹	eq/d	MDC_DIM_X_EQUIV_PER_DAY	4::5184
NT ⁻¹ M ⁻¹ (subst. fraction rate, dosage)	NT-1M-1	<magnitude> mole(s) per kilogram per second	mol kg ⁻¹ s ⁻¹	mol/kg/s	MDC_DIM_X_MOLE_PER_KG_PER_SEC	4::5216
	NT-1M-1	<magnitude> mole(s) per kilogram per minute	mol kg ⁻¹ min ⁻¹	mol/kg/min	MDC_DIM_X_MOLE_PER_KG_PER_MIN	4::5248

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
	NT-1M-1	<magnitude> mole(s) per kilogram per hour	$\text{mol kg}^{-1} \text{h}^{-1}$	mol/kg/h	MDC_DIM_X_MOLE_PER_KG_PER_HR	4::5280
	NT-1M-1	<magnitude> mole(s) per kilogram per day	$\text{mol kg}^{-1} \text{d}^{-1}$	mol/kg/d	MDC_DIM_X_MOLE_PER_KG_PER_DAY	4::5312
	NT-1M-1	<magnitude> equivalents per kilogram per second	$\text{eq kg}^{-1} \text{s}^{-1}$	eq/kg/s	MDC_DIM_X_EQUIV_PER_KG_PER_SEC	4::5344
	NT-1M-1	<magnitude> equivalents per kilogram per minute	$\text{eq kg}^{-1} \text{min}^{-1}$	eq/kg/min	MDC_DIM_X_EQUIV_PER_KG_PER_MIN	4::5376
	NT-1M-1	<magnitude> equivalents per kilogram per hour	$\text{eq kg}^{-1} \text{h}^{-1}$	eq/kg/h	MDC_DIM_X_EQUIV_PER_KG_PER_HR	4::5408
	NT-1M-1	<magnitude> equivalents per kilogram per day	$\text{eq kg}^{-1} \text{d}^{-1}$	eq/kg/d	MDC_DIM_X_EQUIV_PER_KG_PER_DAY	4::5440
NT ⁻¹ L ⁻³ (subst. fraction rate, dosage)	NL-3T-1	<magnitude> mole(s) per liter per second	$\text{mol l}^{-1} \text{s}^{-1}$	mol/L/min	MDC_DIM_X_MOLE_PER_L_PER_MIN	4::11712
International unit	[iU]	<magnitude> international unit	i.u.	[iU]	MDC_DIM_X_INTL_UNIT	4::5472
International unit - concentration	[iU]L-3	<magnitude> international units per cubic centimeter	i.u. cm ⁻³	[iU]/cm ³	MDC_DIM_X_INTL_UNIT_PER_CM_CUBE	4::5504
	[iU]L-3	<magnitude> international units per cubic meter	i.u. m ⁻³	[iU]/m ³	MDC_DIM_X_INTL_UNIT_PER_M_CUBE	4::5536
	[iU]L-3	<magnitude> international units per liter	i.u. l ⁻¹	[iU]/L	MDC_DIM_X_INTL_UNIT_PER_L	4::5568
	[iU]L-3	<magnitude> international units per milliliter	i.u. mL ⁻¹	[iU]/mL	MDC_DIM_X_INTL_UNIT_PER_ML	4::5600
International unit - mass flow rate	[iU]T-1	<magnitude> international units per second	i.u. s ⁻¹	[iU]/s	MDC_DIM_X_INTL_UNIT_PER_SEC	4::5632
	[iU]T-1	<magnitude> international units per minute	i.u. min ⁻¹	[iU]/min	MDC_DIM_X_INTL_UNIT_PER_MIN	4::5664
	[iU]T-1	<magnitude> international units per hour	i.u. h ⁻¹	[iU]/h	MDC_DIM_X_INTL_UNIT_PER_HR	4::5696
	[iU]T-1	<magnitude> international units per day	i.u. d ⁻¹	[iU]/d	MDC_DIM_X_INTL_UNIT_PER_DAY	4::5728

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
International unit - dosage	[iU]T-1M-1	<magnitude> international units per kilogram per second	i.u. kg ⁻¹ s ⁻¹	[iU]/kg/s	MDC_DIM_X_INTL_UNIT_PER_KG_PER_SEC	4::5760
	[iU]T-1M-1	<magnitude> international units per kilogram per minute	i.u. kg ⁻¹ min ⁻¹	[iU]/kg/min	MDC_DIM_X_INTL_UNIT_PER_KG_PER_MIN	4::5792
	[iU]T-1M-1	<magnitude> international units per kilogram per hour	i.u. kg ⁻¹ h ⁻¹	[iU]/kg/h	MDC_DIM_X_INTL_UNIT_PER_KG_PER_HR	4::5824
	[iU]T-1M-1	<magnitude> international units per kilogram per day	i.u. kg ⁻¹ d ⁻¹	[iU]/kg/d	MDC_DIM_X_INTL_UNIT_PER_KG_PER_DAY	4::5856
Unit for specific measurement - Lung resistance	L-4MT-3	centimeter of water per liter per second	cmH ₂ O L ⁻¹ s ⁻¹	cm[H ₂ O].s/L cm[H ₂ O]/(L/s)	MDC_DIM_CM_H2O_PER_L_PER_SEC	4::5920
Unit for specific measurement - HF transport coefficient	L6T-1	<magnitude> liter squared per second	L ² s ⁻¹	L ² /s	MDC_DIM_X_L_SQ_PER_SEC	4::5952
Unit for specific measurement - ratio of paO ₂ to FIO ₂	L-1MT-2	centimeter of water per percent	cmH ₂ O % ⁻¹	cm[H ₂ O]/%	MDC_DIM_CM_H2O_PER_PERCENT	4::5984
Unit for specific measurement - ratio of paO ₂ to FIO ₂	L-1MT-2	millimeter(s) of mercury per percent	mmHg % ⁻¹	mm[Hg]/%	MDC_DIM_MM_HG_PER_PERCENT	4::6176
Unit for specific measurement - ratio of paO ₂ to FIO ₂	L-1MT-2	<magnitude> Pascal per percent	Pa % ⁻¹	Pa/%	MDC_DIM_X_PA_PER_PERCENT	4::6208
Unit for specific measurement - Pulmonary/Systemic vascular resistance index	L-4MT-1L-2	dyne seconds per square meter per centimeter to the power of 5	dyne s m ⁻² cm ⁻⁵	dyn.s/cm ⁵ /m ² dyn.s.cm ⁻⁵ .m ⁻²	MDC_DIM_DYNE_SEC_PER_M_SQ_PER_CM_5	4::6016
Boolean	1	<boolean>	1/0	{bool} 1	MDC_DIM_BOOLEAN	4::7776

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
Decibel (reference level)	[Bel]	decibel (<magnitude> Volt)	dB(V)	dB[V]	MDC_DIM_DECIBEL_X_VOLT	4::7808
	[Bel]	decibel (10 <magnitude> Volts)	dB(10V)	dB[10.V]	MDC_DIM_DECIBEL_10_X_VOLT	4::7840
	[Bel]	decibel (<magnitude> watt)	dB(W)	dB[W]	MDC_DIM_DECIBEL_X_WATT	4::7872
	L2	square <magnitude> cm(s)	cm ²	cm2	MDC_DIM_SQ_X_CM	4::8032
	T-2	per <magnitude> second squared	s ⁻²	/s2	MDC_DIM_PER_X_SEC_SQ	4::8064
Mass dose rate per body weight	L3T-1	<magnitude> drops(s) per minute	drops min ⁻¹	[drp]/min	MDC_DIM_X_DROPS_PER_MIN	4::8128
	MT-1M-1	<magnitude> gram(s) per pound per minute	g lb ⁻¹ min ⁻¹	g/[lb_av]/min	MDC_DIM_X_G_PER_LB_PER_MIN	4::6784
	MT-1M-1	<magnitude> gram(s) per pound per hour	g lb ⁻¹ h ⁻¹	g/[lb_av]/h	MDC_DIM_X_G_PER_LB_PER_HR	4::6752
Mass dose rate per body surface area	MT-1L-2	<magnitude> gram(s) per square meter per minute	g m ⁻² min ⁻¹	g/m2/min	MDC_DIM_X_G_PER_M_SQ_PER_MIN	4::6848
	MT-1L-2	<magnitude> gram(s) per square meter per hour	g m ⁻² h ⁻¹	g/m2/h	MDC_DIM_X_G_PER_M_SQ_PER_HR	4::6816
	MT-1L-2	<magnitude> gram(s) per square meter per day	g m ⁻² d ⁻¹	g/m2/d	MDC_DIM_X_G_PER_M_SQ_PER_DAY	4::7168
Compliance per body weight	L4M-2T2	<magnitude> liter per centimeter of water per body weight	L (cmH ₂ O) ⁻¹ kg ⁻¹	L/cm[H2O]/kg	MDC_DIM_X_L_PER_CM_H2O_PER_KG	4::8160
Magnetic flux density	MT-2I-1	<magnitude> Tesla	T, Wb m ⁻²	T	MDC_DIM_X_TESLA	4::8192
	ML2 I-1T-2	<magnitude> Volt-seconds	V.s	V.s	MDC_DIM_X_VOLT_SEC	4::8224
	ML2 I-1T-4	<magnitude> Volts per second	V/s	V/s	MDC_DIM_X_VOLT_PER_SEC	4::8256
Conductivity	M-1L-2I2T3	per <magnitude> Ohm(s) (aka "Siemens")	Ω ⁻¹ , S	1/Ohm /Ohm S	MDC_DIM_PER_X_OHM	4::8288
mol dose rate per body surface area	NL-2	<magnitude> mole(s) per square meter	mol m ⁻²	mol/m2	MDC_DIM_X_MOLE_PER_M_SQ	4::7552
	NM-1	<magnitude> equivalents per kilogram	eq kg ⁻¹	eq/kg	MDC_DIM_X_EQUIV_PER_KG	4::7584

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
	NL-2	<magnitude> equivalents per square meter	eq m ⁻²	eq/m2	MDC_DIM_X_EQUIV_PER_M_SQ	4::7416
mol dose rate per body surface area	NT-1L-2	<magnitude> mole(s) per square meter per second	mol m ⁻² s ⁻¹	mol/m2/s	MDC_DIM_X_MOLE_PER_M_SQ_PER_SEC	4::7424
	NT-1L-2	<magnitude> mole(s) per square meter per minute	mol m ⁻² min ⁻¹	mol/m2/min	MDC_DIM_X_MOLE_PER_M_SQ_PER_MIN	4::7456
	NT-1L-2	<magnitude> mole(s) per square meter per hour	mol m ⁻² h ⁻¹	mol/m2/h	MDC_DIM_X_MOLE_PER_M_SQ_PER_HR	4::7488
	NT-1L-2	<magnitude> mole(s) per square meter per day	mol m ⁻² d ⁻¹	mol/m2/d	MDC_DIM_X_MOLE_PER_M_SQ_PER_DAY	4::7520
eq dose rate per body weight	NT-1M-1	<magnitude> equivalents per pound per minute	eq lb ⁻¹ min ⁻¹	eq/[lb_av]/min	MDC_DIM_X_EQUIV_PER_LB_PER_MIN	4::7040
	NT-1M-1	<magnitude> equivalents per pound per hour	eq lb ⁻¹ h ⁻¹	eq/[lb_av]/h	MDC_DIM_X_EQUIV_PER_LB_PER_HR	4::7008
eq dose rate per body surface area	NT-1L-2	<magnitude> equivalents per square meter per minute	eq m ⁻² min ⁻¹	eq/m2/min	MDC_DIM_X_EQUIV_PER_M_SQ_PER_MIN	4::7104
	NT-1L-2	<magnitude> equivalents per square meter per hour	eq m ⁻² h ⁻¹	eq/m2/h	MDC_DIM_X_EQUIV_PER_M_SQ_PER_HR	4::7072
	NT-1L-2	<magnitude> equivalents per square meter per day	eq m ⁻² d ⁻¹	eq/m2/d	MDC_DIM_X_EQUIV_PER_M_SQ_PER_DAY	4::7136
IU dose quantity per body weight	[IU]M-1	<magnitude> international units per kilogram	i.u. kg ⁻¹	[IU]/kg	MDC_DIM_X_INTL_UNIT_PER_KG	4::7680
IU dose quantity per body surface area	[IU]L-2	<magnitude> international units per square meter	i.u. m ⁻²	[IU]/m2	MDC_DIM_X_INTL_UNIT_PER_M_SQ	4::7712
IU dose rate per body weight	[IU]T-1M-1	<magnitude> international units per pound per minute	i.u. lb ⁻¹ min ⁻¹	[IU]/[lb_av]/min	MDC_DIM_X_INTL_UNIT_PER_LB_PER_MIN	4::6912
	[IU]T-1M-1	<magnitude> international units per pound per hour	i.u. lb ⁻¹ h ⁻¹	[IU]/[lb_av]/h	MDC_DIM_X_INTL_UNIT_PER_LB_PER_HR	4::10400
	[IU]T-1M-1	<magnitude> international units per pound per day	i.u. lb ⁻¹ d ⁻¹	[IU]/[lb_av]/d	MDC_DIM_X_INTL_UNIT_PER_LB_PER_DAY	4::6880

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
IU dose rate per body surface area	[IU]T-1L-2	<magnitude> international units per square meter per sec	i.u. m ⁻² sec ⁻¹	[IU]/m2/s	MDC_DIM_X_INTL_UNIT_PER_M_SQ_PER_S EC	4::7648
	[IU]T-1L-2	<magnitude> international units per square meter per min	i.u. m ⁻² min ⁻¹	[IU]/m2/min	MDC_DIM_X_INTL_UNIT_PER_M_SQ_PER_ MIN	4::6976
	[IU]T-1L-2	<magnitude> international units per square meter per hour	i.u. m ⁻² h ⁻¹	[IU]/m2/h	MDC_DIM_X_INTL_UNIT_PER_M_SQ_PER_H R	4::6944
	[IU]T-1L-2	<magnitude> international units per square meter per day	i.u. m ⁻² d ⁻¹	[IU]/m2/d	MDC_DIM_X_INTL_UNIT_PER_M_SQ_PER_D AY	4::7200
Pulmonary/ Systemic Vascular Resistance Index	L-2MT-1	dyn seconds square meter per centimeter to the power of 5	dyne s m ² cm ⁻⁵	dyn.s.m2/cm5 dyn.s.cm-5.m2	MDC_DIM_DYNE_SEC_M_SQ_PER_CM_5	4::8320
Thermal calories	L2MT-2	<magnitude> calories (thermal)	cal	cal	MDC_DIM_X_CAL	4::8352
Nutrition label calories	L2MT-2	<magnitude> nutritional calories (= 1000 thermal cal)	nutr cal	[Cal]	MDC_DIM_X_NUTR_CAL	4::8384
Thermal caloric rate	L2MT-2T-1	<magnitude> calories (thermal) per hour	cal per hour	cal/h	MDC_DIM_X_CAL_PER_HR	4::1808
Thermal caloric rate	L2MT-3	<magnitude> calories (thermal) per day	cal per day	cal/d	MDC_DIM_X_CAL_PER_DAY	4::8416
Flow rate per body weight	L3M-1T-1	<magnitude> liters per kg per minute	L per kg per min	L/kg/min	MDC_DIM_X_L_PER_KG_PER_MIN	4::7264
	L3M-1T-1	<magnitude> liters per kg per hour	L per kg per hour	L/kg/h	MDC_DIM_X_L_PER_KG_PER_HR	4::7232
	L3M-1T-1	<magnitude> liters per kg per day	L per kg per day	L/kg/d	MDC_DIM_X_L_PER_KG_PER_DAY	4::7296
Flow rate per body surface area	L3L-2T-1	<magnitude> liters per meter squared per minute	L per m ² per min	L/m2/min	MDC_DIM_X_L_PER_M_SQ_PER_MIN	4::7328
	L3L-2T-1	<magnitude> liters per meter squared per hour	L per m ² per hour	L/m2/h	MDC_DIM_X_L_PER_M_SQ_PER_HR	4::7360
	L3L-2T-1	<magnitude> liters per meter squared per day	L per m ² per day	L/m2/d	MDC_DIM_X_L_PER_M_SQ_PER_DAY	4::7392

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
Work of breathing (per breath)	L2MT-2	<magnitude> Joule(s) per breath	J/breath	J/{breath}	MDC_DIM_X_JOULES_PER_BREATH	4::8448
Work of breathing (per unit volume)	L2MT-2L-3	<magnitude> Joule(s) per liter	J/L	J/L	MDC_DIM_X_JOULES_PER_L	4::8480
	L2MT-2L-3	<magnitude> Joule(s) per milliliter	J/mL	J/mL	MDC_DIM_X_JOULES_PER_ML	4::10528
Work (of breathing) per liter per kg (body mass)	L2MT-2L-3M-1	<magnitude> Joule(s) per liter per kg	J/L/kg	J/L/kg	MDC_DIM_X_JOULES_PER_L_PER_KG	4::11424
Work (of breathing) per milliliter per kg (body mass)	L2MT-2L-3M-1	<magnitude> Joule(s) per milliliter per kg	J/mL/kg	J/mL/kg	MDC_DIM_X_JOULES_PER_ML_PER_KG	4::11456
Work of breathing (per unit time)	L2MT-2T-1	<magnitude> Joule(s) per day	J/day	J/d	MDC_DIM_X_JOULES_PER_DAY	4::10496
Vascular Resistance (Peripheral Resistance Unit)	L-4MT-1	mm[Hg] per (mL per sec)	PRU	[PRU] mm[Hg].s/mL	MDC_DIM_MMHG_SEC_PER_ML	4::8544
Vascular Resistance (Wood's unit, pediatric)	ML-1T-2L-3T-1	mm[Hg] per (liter per minute)	Woods Unit, WU, HRU	[wood'U] mm[Hg].min/L	MDC_DIM_MMHG_MIN_PER_L	4::8576
Amount of information	1	Bit	bit, b	bit	MDC_DIM_BIT	4::8608
	1	Byte (8 bits)	byte, B	By	MDC_DIM_BYTE	4::8640
Volume concentration	L3L-3	drops per <magnitude> L	drops/L	[drp]/L	MDC_DIM_DROPS_PER_X_L	4::8672
Shallow Breathing Index (breath)	T-1L-3	breaths per minute per <magnitude> L	breaths/min/L	{breaths}/min/L {breath}/min/L	MDC_DIM_BREATHS_PER_MIN_PER_X_L	4::8704

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
Shallow Breathing Index (breaths squared)	T-1L-3	number of breaths squared per minute per L	breaths ² /min /L	{breaths-squared}/min/L	MDC_DIM_SQUARE_BREATHS_PER_MIN_PER_L	4::8736
Volume per minute per body weight	L3T-1M-1	<magnitude> volume per minute per body weight	L/min/kg	L/min/kg	MDC_DIM_X_L_PER_MIN_PER_KG	4::8768
Oxygen saturation-seconds	T	sat % seconds	sat-sec	{sat}, % s	MDC_DIM_O2_SAT_PERCENT_SEC	4::8800
Millimeters per millivolt (display gain)	L-1M-1T3I	<magnitude> meters per Volt	mm/mV	mm/mV m/V	MDC_DIM_X_M_PER_VOLT	4::8832
Cardiac stroke work	L2MT-2	<magnitude> gram-force meters	gf.m [trad g.m]	gf.m	MDC_DIM_X_G_FORCE_M	4::8864
Cardiac stroke work per liter of fluid	L2MT-2L-3	<magnitude> gram-force meters per liter	gf.m/L [trad g.m/L]	gf.m/L	MDC_DIM_X_G_FORCE_M_PER_L	4::8896
Cardiac Stroke Work per Body Surface Area	LL-2	<magnitude> gram-force meters per square meter	gf.m/m ² [trad g.m/m ²]	gf.m/m ²	MDC_DIM_X_G_FORCE_M_PER_M_SQ	4::8928
Thermal caloric dose quantity per body weight	L2MT-2M-1	<magnitude> calories (thermal) per kg	cal per kg	cal/kg	MDC_DIM_X_CAL_PER_KG	4::8960
Thermal caloric dose rate per body weight	L2MT-2M-1T-1	<magnitude> calories (thermal) per kg per hour	cal per kg per hour	cal/kg/h	MDC_DIM_X_CAL_PER_KG_PER_HR	4::11840
Thermal caloric dose rate per body weight	L2MT-2M-1T-1	<magnitude> calories (thermal) per kg per day	cal per kg per day	cal/kg/d	MDC_DIM_X_CAL_PER_KG_PER_DAY	4::8992
Thermal caloric dose "concentration"	L2MT-2L-3	<magnitude> calories (thermal) per mL	cal per mL	cal/mL	MDC_DIM_X_CAL_PER_ML	4::9024
Arbitrary Unit (arb'U)		<magnitude> arbitrary unit	arb.u	[arb'U]	MDC_DIM_X_ARB_UNIT	4::9056
arb'U concentration	L-3	<magnitude> arbitrary units per cubic centimeter	arb.u cm ⁻³	[arb'U]/cm ³	MDC_DIM_X_ARB_UNIT_PER_CM_CUBE	4::9088

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
	L-3	<magnitude> arbitrary units per cubic meter	arb.u m ⁻³	[arb'U]/m3	MDC_DIM_X_ARB_UNIT_PER_M_CUBE	4::9120
	L-3	<magnitude> arbitrary units per liter	arb.u L ⁻¹	[arb'U]/L	MDC_DIM_X_ARB_UNIT_PER_L	4::9152
	K-3	<magnitude> arbitrary units per milliliter	arb.u mL ⁻¹	[arb'U]/mL	MDC_DIM_X_ARB_UNIT_PER_ML	4::9184
arb'U mass flow rate	T-1	<magnitude> arbitrary units per second	arb.u s ⁻¹	[arb'U]/s	MDC_DIM_X_ARB_UNIT_PER_SEC	4::9216
	T-1	<magnitude> arbitrary units per minute	arb.u min ⁻¹	[arb'U]/min	MDC_DIM_X_ARB_UNIT_PER_MIN	4::9248
	T-1	<magnitude> arbitrary units per hour	arb.u h ⁻¹	[arb'U]/h	MDC_DIM_X_ARB_UNIT_PER_HR	4::9280
	T-1	<magnitude> arbitrary units per day	arb.u d ⁻¹	[arb'U]/d	MDC_DIM_X_ARB_UNIT_PER_DAY	4::9312
arb'U dose quantity per body weight	T-1	<magnitude> arbitrary units per kilogram	arb.u kg ⁻¹	[arb'U]/kg	MDC_DIM_X_ARB_UNIT_PER_KG	4::9344
arb'U dose quantity per body surface area	L-2	<magnitude> arbitrary units per square meter	arb.u m ²	[arb'U]/m2	MDC_DIM_X_ARB_UNIT_PER_M_SQ	4::9376
arb'U dose rate per body weight	M-1 T-1	<magnitude> arbitrary units per kilogram per second	arb.u kg ⁻¹ s ⁻¹	[arb'U]/kg/s	MDC_DIM_X_ARB_UNIT_PER_KG_PER_SEC	4::9408
	M-1 T-1	<magnitude> arbitrary units per kilogram per minute	arb.u kg ⁻¹ min ⁻¹	[arb'U]/kg/min	MDC_DIM_X_ARB_UNIT_PER_KG_PER_MIN	4::9440
	M-1 T-1	<magnitude> arbitrary units per kilogram per hour	arb.u kg ⁻¹ h ⁻¹	[arb'U]/kg/h	MDC_DIM_X_ARB_UNIT_PER_KG_PER_HR	4::9472
	M-1 T-1	<magnitude> arbitrary units per kilogram per day	arb.u kg ⁻¹ d ⁻¹	[arb'U]/kg/d	MDC_DIM_X_ARB_UNIT_PER_KG_PER_DAY	4::9504
	M-1 T-1	<magnitude> arbitrary units per pound per minute	arb.u lb ⁻¹ min ⁻¹	[arb'U]/[lb_av]/min	MDC_DIM_X_ARB_UNIT_PER_LB_PER_MIN	4::9536
	M-1 T-1	<magnitude> arbitrary units per pound per hour	arb.u lb ⁻¹ h ⁻¹	[arb'U]/[lb_av]/h	MDC_DIM_X_ARB_UNIT_PER_LB_PER_HR	4::10432
	M-1 T-1	<magnitude> arbitrary units per pound per day	arb.u lb ⁻¹ d ⁻¹	[arb'U]/[lb_av]/d	MDC_DIM_X_ARB_UNIT_PER_LB_PER_DAY	4::9568

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
arb'U dose rate per body surface area	L-2T-1	<magnitude> arbitrary units per square meter per sec	arb.u m ² sec ⁻¹	[arb'U]/m2/s	MDC_DIM_X_ARB_UNIT_PER_M_SQ_PER_S EC	4::9600
	L-2T-1	<magnitude> arbitrary units per square meter per min	arb.u m ² min ⁻¹	[arb'U]/m2/min	MDC_DIM_X_ARB_UNIT_PER_M_SQ_PER_M IN	4::9632
	L-2T-1	<magnitude> arbitrary units per square meter per hour	arb.u m ² h ⁻¹	[arb'U]/m2/h	MDC_DIM_X_ARB_UNIT_PER_M_SQ_PER_H R	4::9664
	L-2T-1	<magnitude> arbitrary units per square meter per day	arb.u m ² d ⁻¹	[arb'U]/m2/d	MDC_DIM_X_ARB_UNIT_PER_M_SQ_PER_D AY	4::9696
USP unit		<magnitude> USP unit	USP.u	[USP'U]	MDC_DIM_X_USP_UNIT	4::9728
USP concentration	L-3	<magnitude> USP units per cubic centimeter	USP.u cm ⁻³	[USP'U]/cm3	MDC_DIM_X_USP_UNIT_PER_CM_CUBE	4::9760
	L-3	<magnitude> USP units per cubic meter	USP.u m ⁻³	[USP'U]/m3	MDC_DIM_X_USP_UNIT_PER_M_CUBE	4::9792
	L-3	<magnitude> USP units per liter	USP.u L ⁻¹	[USP'U]/L	MDC_DIM_X_USP_UNIT_PER_L	4::9824
	L-3	<magnitude> USP units per milliliter	USP.u mL ⁻¹	[USP'U]/mL	MDC_DIM_X_USP_UNIT_PER_ML	4::9856
USP mass flow rate	T-1	<magnitude> USP units per second	USP.u s ⁻¹	[USP'U]/s	MDC_DIM_X_USP_UNIT_PER_SEC	4::9888
	T-1	<magnitude> USP units per minute	USP.u min ⁻¹	[USP'U]/min	MDC_DIM_X_USP_UNIT_PER_MIN	4::9920
	T-1	<magnitude> USP units per hour	USP.u h ⁻¹	[USP'U]/h	MDC_DIM_X_USP_UNIT_PER_HR	4::9952
	T-1	<magnitude> USP units per day	USP.u d ⁻¹	[USP'U]/d	MDC_DIM_X_USP_UNIT_PER_DAY	4::9984
USP dose quantity per body weight	M-1	<magnitude> USP units per kilogram	USP.u kg ⁻¹	[USP'U]/kg	MDC_DIM_X_USP_UNIT_PER_KG	4::10016
USP dose quantity per body surface area	L-2	<magnitude> USP units per square meter	USP.u m ⁻²	[USP'U]/m2	MDC_DIM_X_USP_UNIT_PER_M_SQ	4::10048

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
USP dose rate per body weight	M-1T-1	<magnitude> USP units per kilogram per second	USP.u kg ⁻¹ s ⁻¹	[USP.U]/kg/s	MDC_DIM_X_USP_UNIT_PER_KG_PER_SEC	4::10080
	M-1T-1	<magnitude> USP units per kilogram per minute	USP.u kg ⁻¹ min ⁻¹	[USP.U]/kg/min	MDC_DIM_X_USP_UNIT_PER_KG_PER_MIN	4::10112
	M-1T-1	<magnitude> USP units per kilogram per hour	USP.u kg ⁻¹ h ⁻¹	[USP.U]/kg/h	MDC_DIM_X_USP_UNIT_PER_KG_PER_HR	4::10144
	M-1T-1	<magnitude> USP units per kilogram per day	USP.u kg ⁻¹ d ⁻¹	[USP.U]/kg/d	MDC_DIM_X_USP_UNIT_PER_KG_PER_DAY	4::10176
	M-1T-1	<magnitude> USP units per pound per minute	USP.u lb ⁻¹ min ⁻¹	[USP.U]/[lb_av]/min	MDC_DIM_X_USP_UNIT_PER_LB_PER_MIN	4::10208
	M-1T-1	<magnitude> USP units per pound per hour	USP.u lb ⁻¹ h ⁻¹	[USP.U]/[lb_av]/h	MDC_DIM_X_USP_UNIT_PER_LB_PER_HR	4::10464
	M-1T-1	<magnitude> USP units per pound per day	USP.u lb ⁻¹ d ⁻¹	[USP.U]/[lb_av]/d	MDC_DIM_X_USP_UNIT_PER_LB_PER_DAY	4::10240
USP dose rate per body surface area	L-2T-1	<magnitude> USP units per square meter per sec	USP.u m ⁻² sec ⁻¹	[USP.U]/m2/s	MDC_DIM_X_USP_UNIT_PER_M_SQ_PER_S EC	4::10272
	L-2T-1	<magnitude> USP units per square meter per min	USP.u m ⁻² min ⁻¹	[USP.U]/m2/min	MDC_DIM_X_USP_UNIT_PER_M_SQ_PER_M IN	4::10304
	L-2T-1	<magnitude> USP units per square meter per hour	USP.u m ⁻² h ⁻¹	[USP.U]/m2/h	MDC_DIM_X_USP_UNIT_PER_M_SQ_PER_H R	4::10336
	L-2T-1	<magnitude> USP units per square meter per day	USP.u m ⁻² d ⁻¹	[USP.U]/m2/d	MDC_DIM_X_USP_UNIT_PER_M_SQ_PER_D AY	4::10368
Slope of component gas concentration per expired total gas volume	L3L-3I-3	volume percent gas concentration per liter	vol % per liter	%{vol}/L	MDC_DIM_VOL_PERCENT_PER_L	4::10560
Elastance	ML-1T-2L-3	<magnitude> Pascal per liter	Pa L ⁻¹	Pa/L	MDC_DIM_X_PASCAL_PER_L	4::10592
	ML-1T-2L-3	<magnitude> Pascal per milliliter	Pa mL ⁻¹	Pa/mL	MDC_DIM_X_PASCAL_PER_ML	4::10624
	ML-1T-2L-3	<magnitude> bar per liter	bar L ⁻¹	bar/L	MDC_DIM_X_BAR_PER_L	4::10656
	ML-1T-2L-3	(<magnitude> bar per liter) /10	bar L ⁻¹ 10 ⁻¹	bar/L/10	MDC_DIM_X_BAR_PER_L_PER_10	4::10688
	ML-1T-2L-3	<magnitude> bar per milliliter	bar mL ⁻¹	bar/mL	MDC_DIM_X_BAR_PER_ML	4::10720

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
Resistance (hydraulic)	ML-1T-2TL-3	<magnitude> bar second per liter	bar s L ⁻¹	bar.s/L bar/(L/s)	MDC_DIM_X_BAR_SEC_PER_L	4::10752
	ML-1T-2TL-3	<magnitude> bar second per liter / 10	bar s L ⁻¹ 10 ⁻¹	bar.s/L/10	MDC_DIM_X_BAR_SEC_PER_L_PER_10	4::10784
Compliance	L3 M-1L1T2	<magnitude> liter per hectoPascal	L hPa ⁻¹	L/hPa	MDC_DIM_X_L_PER_HPA	4::10816
	L3 M-1L1T2	<magnitude> liter per bar	L bar ⁻¹	L/bar	MDC_DIM_X_L_PER_BAR	4::10848
	L3 M-1L1T2	<magnitude> liter per millibar	L mbar ⁻¹	L/mbar	MDC_DIM_X_L_PER_MBAR	4::10880
Work (of breathing) per liter per unit time	L2MT-2L-3T-1	<magnitude> Joules per liter per second	J/L/s	J/L/s	MDC_DIM_X_JOULES_PER_L_PER_SEC	4::10912
Rate of pressure change	ML-1T-2T-1	millimeter mercury per minute	mmHg min ⁻¹	mm[Hg]/min	MDC_DIM_MM_HG_PER_MIN	4::10944
	ML-1T-2T-1	millimeters mercury per second	mmHg s ⁻¹	mm[Hg]/s	MDC_DIM_MM_HG_PER_SEC	4::10976
	ML-1T-2T-1	<magnitude> bars per second	bar s ⁻¹	bar/s	MDC_DIM_X_BAR_PER_SEC	4::11008
	ML-1T-2T-1	centimeter of water per second	cmH ₂ O s ⁻¹	cm[H ₂ O]/s	MDC_DIM_CM_H2O_PER_SEC	4::11040
Relative rate of change	T-1	percent per half-hour	% per 1/2 hr	%/30 min	MDC_DIM_PERCENT_PER_HALF_HOUR	4::11072
Cardiac stroke volume per body surface area	L3L-2	<magnitude> liters per beat per square meter	L/beat/m ²	L/(beat)/m ² L/m ²	MDC_DIM_X_L_PER_BEAT_PER_M2	4::11104
Electric field strength		<magnitude> Volt per centimeter	V cm ⁻¹	V/cm	MDC_DIM_X_VOLT_PER_CM	4::11136
Irradiance (flux density per wavelength)		<magnitude> watts per square centimeter per nm	W cm ⁻² nm ⁻¹	W/cm ² /nm	MDC_DIM_X_WATT_PER_CM2_PER_NM	4::11168
Pressure to voltage calibration		centimeter of water pressure per microVolt	cmH ₂ O μV ⁻¹	cm[H ₂ O]/μV	MDC_DIM_CM_H2O_PER_UV	4::11200

Table A.6.4.1—Vital signs units of measurement (multipage table)

Dimension (not normative)	Dimensionality (not normative)	Unit of measurement (not normative)	Symbol (not normative)	UoM UCUM (not normative)	RefId	Part::Code
Pressure Time Product	L-1MT-1	centimeter of water pressure seconds per breath	cm[H ₂ O].s/{ breath}	cm[H ₂ O].s/{br eath}	MDC_DIM_CM_H2O_SEC_PER_BREATH	4::11232
	L-1MT-2	centimeter of water pressure seconds per minute	cm[H ₂ O].s/ min	cm[H ₂ O].s/min	MDC_DIM_CM_H2O_SEC_PER_MIN	4::11264
Pressure Time Product	L-1MT-1	<magnitude> bar seconds per breath	bar.s	bar.s/{breath} bar.s	MDC_DIM_X_BAR_SEC_PER_BREATH	4::11296

^a Angular acceleration.

^b International (IU) and United States Pharmacopeia (USP) units are defined in terms of comparison to a physical reference preparation; the mass or volume that constitutes one 'unit' varies based on which substance is being measured and the variance is based on the biological activity or effect. IU and USP units are used to quantify vitamins, hormones, some medications, vaccines, blood products, and other biologically active substances. Although the meaning of IU and USP units differs from substance to substance, comparisons to the underlying WHO or USP reference preparation can be made, facilitating interoperability across multiple institutions. In contrast, arbitrary units [arb'U] contain an arbitrary scale factor and preclude any meaningful comparison across multiple institutions (although comparability within a given institution may be possible).

A.6.5 Withdrawn terms for vital signs units of measurement

Certain terms for vital signs units of measurement have been withdrawn, and a new term has been allocated. These are listed in Table A.6.5.1.

Table A.6.5.1—Withdrawn terms for vital signs units of measurement

UOM_MDC	Deprecated UCODE10	New UCODE10	Note
MDC_DIM_CENTI_M_PER_SEC	2814	2833	Incorrectly defined in 10441-2013
MDC_DIM_MILLI_G_PER_DL_PER_MIN	4724	11698	Change code in 10425 due to conflict as MDC_DIM_X_G_PER_DL_PER_MIN (11680) -> MDC_DIM_MILLI_G_PER_DL_PER_MIN (11698)
MDC_DIM_MILLI_MOLE_PER_L_PER_MIN	4728	11730	Change code in 10425 due to conflict as MDC_DIM_X_MOLE_PER_L_PER_MIN (11712) -> MDC_DIM_MILLI_MOLE_PER_L_PER_MIN (11730)
MDC_DIM_EVT_PER_HR	4732	11744	Change code in 10424 due to conflict -> MDC_DIM_X_EVT_PER_HR
MDC_DIM_INR	6608	11392	Change code in 10418 due to conflict -> MDC_DIM_INR
MDC_DIM_STEP	6656	11520	Change code in 10441 due to conflict -> MDC_DIM_STEP
MDC_DIM_FOOT_PER_MIN	6688	11552	Change code in 10441 due to conflict -> MDC_DIM_FOOT_PER_MIN
MDC_DIM_INCH_PER_MIN	6720	11584	Change code in 10441 due to conflict -> MDC_DIM_INCH_PER_MIN
MDC_DIM_STEP_PER_MIN	6752	11616	Change code in 10441 due to conflict -> MDC_DIM_STEP_PER_MIN
MDC_DIM_TICK	6848	11648	Change code in 10406 due to conflict -> MDC_DIM_TICK

A.6.6 Deprecated terms for vital signs units of measurement

Certain terms for vital signs units of measurement are deprecated, and a new term has been allocated. These are listed in Table A.6.6.1.

Table A.6.6.1—Deprecated terms for vital signs units of measurement

UOM_MDC	Deprecated UCODE10	New UCODE10	Note
MDC_DIM_KG_PER_M_SQ	1952	7747	Replace MDC_DIM_KG_PER_M_SQ in 10415 as MDC_DIM_X_G_PER_M_SQ (7744) -> MDC_DIM_KILO_G_PER_M_SQ (7747)
MDC_DIM_X_DYNE_PER_SEC_PER_CM5	4128	8512	Remove MDC_DIM_X_DYNE_PER_SEC_PER_CM5 as incorrect unit for vascular resistance. Replace with MDC_DIM_DYNE_SEC_PER_CM_5 (8512) as correct unit
MDC_DIM_CAL	6781	8352	Replace MDC_DIM_CAL in 10441 as MDC_DIM_CAL (8352)
MDC_DIM_KILO_CAL	6784	8355	Replace MDC_DIM_KILO_CAL in 10441 as MDC_DIM_X_CAL (8352) -> MDC_DIM_KILO_CAL (8355)
MDC_DIM_PERTHOUSAND	6785	576	Replace MDC_DIM_PERTHOUSAND in 10441 with MDC_DIM_PARTS_PER_10_TO_3
MDC_DIM_RPM	6816	8096	Replace MDC_DIM_RPM in 10441 as MDC_DIM_X_ROTATIONS_PER_MIN (8096) -> MDC_DIM_ROTATIONS_PER_MIN (8096)

A.6.7 Deprecated Reflds for Vital Signs Units of Measurement

Certain Reflds for vital signs units of measurement are deprecated, and a new Refld has been allocated. These are listed in Table A.6.7.1.

Table A.6.7.1—Deprecated Reflds for vital signs units of measurement

UOM_MDC	UCODE10	Note
MDC_DIM_PARTS_PER_10_TO_MINUS_3	576	Replace by MDC_DIM_PARTS_PER_10_TO_3
MDC_DIM_PARTS_PER_10_TO_MINUS_6	608	Replace by MDC_DIM_PARTS_PER_10_TO_6
MDC_DIM_PARTS_PER_10_TO_MINUS_9	640	Replace by MDC_DIM_PARTS_PER_10_TO_9
MDC_DIM_PARTS_PER_10_TO_MINUS_12	672	Replace by MDC_DIM_PARTS_PER_10_TO_12
MDC_DIM_PARTS_PER_10_TO_MINUS_18	704	Replace by MDC_DIM_PARTS_PER_10_TO_18
MDC_DIM_X_YARD	1312	Replace by MDC_DIM_YARD
MDC_DIM_X_FOOT	1344	Replace by MDC_DIM_FOOT
MDC_DIM_X_INCH	1376	Replace by MDC_DIM_INCH
MDC_DIM_SQ_X_INCH	1504	Replace by MDC_DIM_SQ_INCH
MDC_DIM_X_LB	1760	Replace by MDC_DIM_LB
MDC_DIM_X_OZ	1792	Replace by MDC_DIM_OZ
MDC_PER_GRAM	1824	Replace by MDC_PER_X_G as base unit Refld and MDC_PER_G as Refld
MDC_DIM_HZ	2496	Replace by MDC_DIM_X_HZ as base unit Refld
MDC_DIM_DS_PER_M_SQ_PER_CM5	6016	Remove synonym and use MDC_DIM_DYNE_SEC_PER_M_SQ_PER_CM_5
MDC_DIM_X_G_PER_MILLI_G	6464	Change #define MDC_DIM_X_G_PER_MILLI_G -> #define MDC_DIM_X_G_PER_MG
MDC_DIM_MILLI_G_PER_MILLI_G	6482	Change #define MDC_DIM_MILLI_G -> #define MDC_DIM_MILLI_G_PER_MG

A.7 Nomenclature, data dictionary, and codes for metrics (measurements and enumerations) (Partition 2)**A.7.1 Nomenclature for ECG measurements****A.7.1.1 Introduction**

Subclause A.7.1 presents a nomenclature for the systematic names related to ECG measurements. Two types of measurement are presented.

The first group of items, Table A.7.1.6.1, relate to global lead measurement, e.g., a measurement that has to be made using several leads or should be the same in all leads. It is used without a lead discriminator.

The second group of items, Table A.7.1.3.2, relate to a measurement made individually for each ECG lead. These items include the ECG lead as a discriminator that is coded directly in the nomenclature code, and a site attribute is not used. The lead discriminators are given in Table A.7.1.3.1 and are compatible with the Standard Communications Protocol for Computer-Assisted Electrocardiography (SCP-ECG) standard (see CEN EN 1064 [B1]) and is shown within the first differentiating criteria.

Nevertheless, the site attribute exists, and Table A.7.1.3.1 is included in Partition 4 (the body sites codes).¹² To use the base code only and add the ECG lead in a site attribute is a question of profiling. However, in a monitoring or real-time situation, codes that include the lead discriminator shall be used. A code space between the ECG per-lead measurements and ECG global measurements is reserved for a block of diagnostic measurements, which may be defined without a lead discriminator and which require a site attribute for leads.

If it is the case that a profile needs more ECG measurements, the code space between the ECG per-lead measurements and ECG global measurements has been reserved for a block of diagnostic measurements, which will be defined without a lead discriminator and which require a site attribute for leads.

A.7.1.1.1 ECG measurement—examples for different ECG configurations

Figure A.7.1.1 through Figure A.7.1.6 illustrate the basic ECG signal and specific waveforms that may occur during atrial depolarization (P-wave), ventricular depolarization (QRS complex), and ventricular repolarization (ST-T wave). The figures depict waveforms that are referred to in ECG books and for which quantities per ECG lead or from a set of leads are to be determined in computer analysis.

¹² Provision for including lead discriminators in the body sites partition is deferred to a future revision of this standard and is not currently supported.

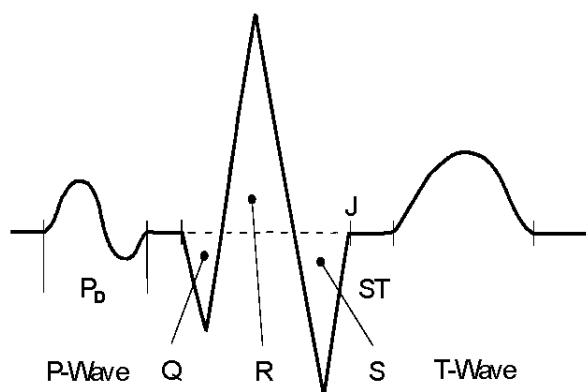


Figure A.7.1.1—Basic form

To be measured:

- Peak Amplitudes
- Wave Durations
- Intervals between
 - P-QRS onset
 - QRS-T offset
 - (PQ, PR Interval)
 - (QT Interval)

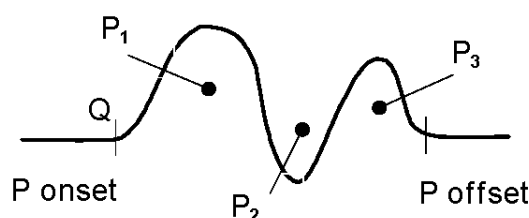


Figure A.7.1.2—Multiform P Wave, 3 Extrema

To be measured:

- Peak Amplitudes
- P Duration
- Time of Peak Amplitudes after P onset
- Area

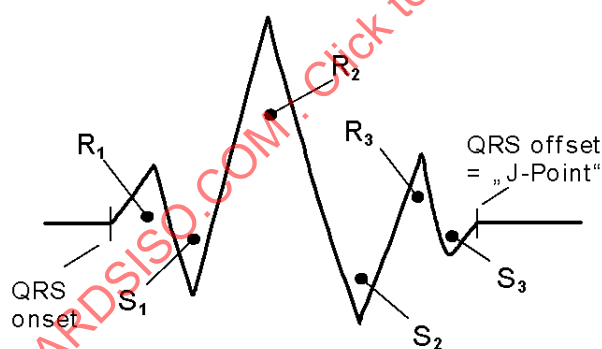


Figure A.7.1.3—Multiform QRS

To be measured:

- Peak Amplitudes
- Total QRS Duration ("globally," per lead)
- Duration of Waves
- Time of MAX Amplitude
- Interval QRS onset – Last Positive Peak (VAT)
- Areas/Integrals

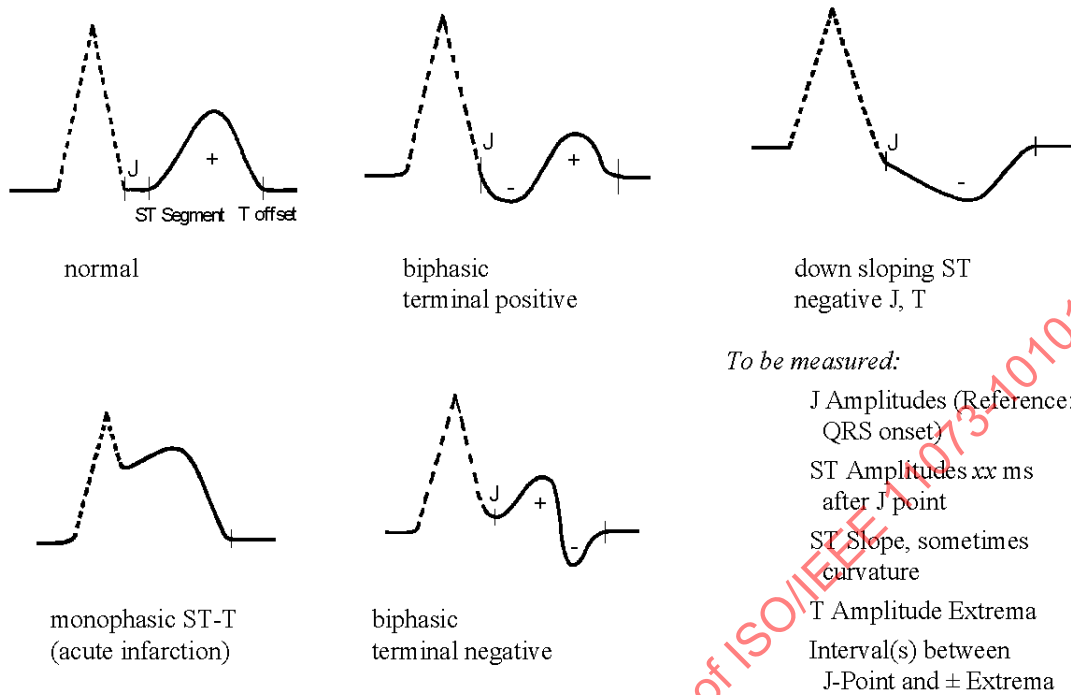
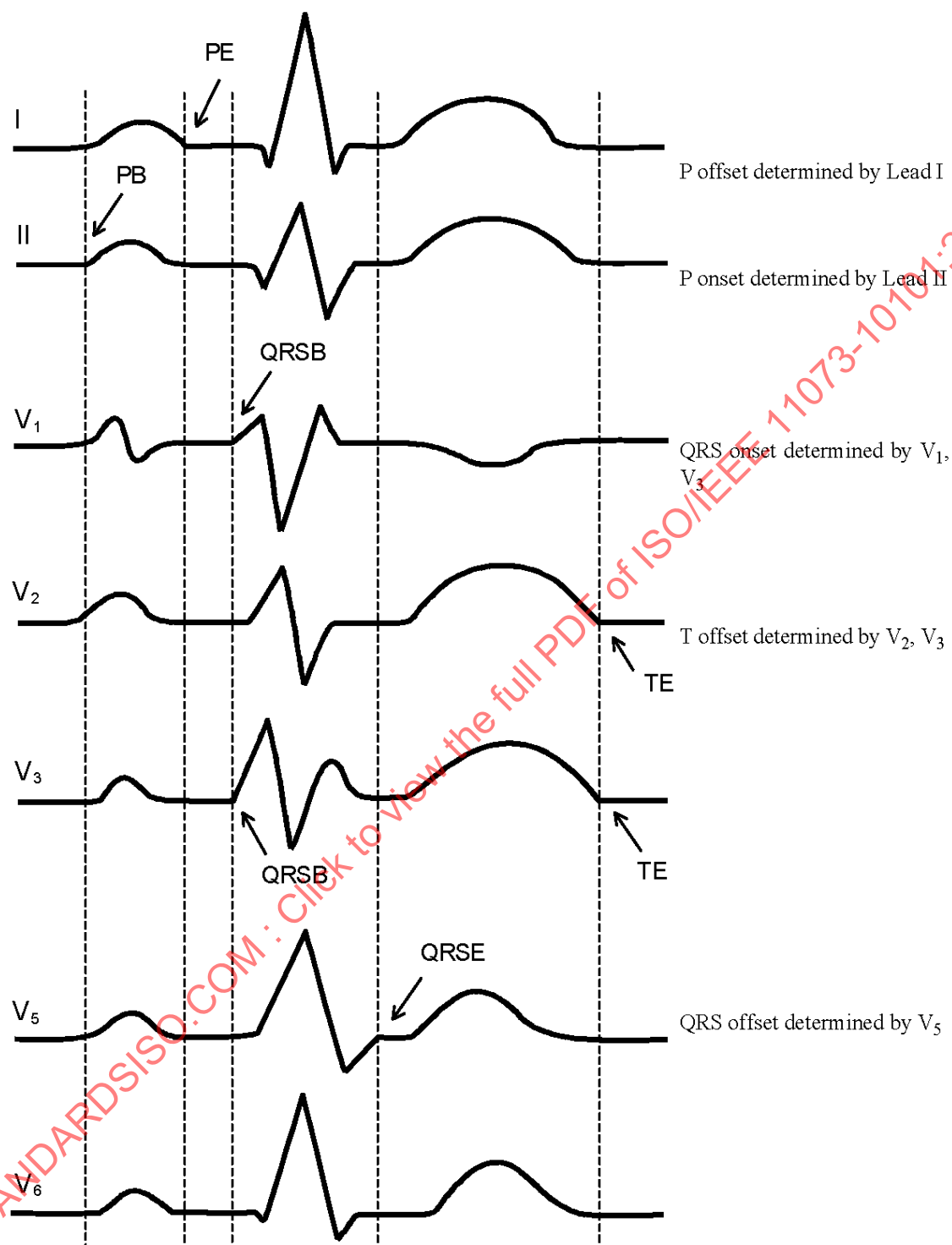


Figure A.7.1.4—ST-T morphologies



NOTE: Figure A.7.1.5 provides an example for global measurements based on several simultaneously acquired ECG leads.

Figure A.7.1.5—Example for measurement of ventricular activation time at different QRS



Figure A.7.1.6—Ventricular activation time

A.7.1.2 Base concepts

Applicable descriptors are as follows:

- **Angle** (the orientation of the electrical axis of a specific wave of ECG, i.e., of the QRS complex)
- **Duration** (a certain time interval, i.e., the time interval between two consecutive R waves of ECG)
- **ElectricalPotential** (the physical quantity under observation. In Table A.7.1.3.1, it refers to the signal [ECG] that represents the electrical activity of the heart as recorded on the body surface by a standard ECG)

- **Integral** (the correspondent mathematical function of the integral with two boundaries over the time)
- **Magnitude** (the quantity of a wave amplitude or the length of a vector)
- **Rate** (the frequency of occurrence of ECG beats)
- **Ratio** (the quotient of two measurements)
- **Slope** (the correspondent mathematical function of the first derivation over the time)
- **Type** (the morphology type of electrical activation)

A.7.1.3 First set of differentiating criteria

Four semantic links are applied for the first set of differentiating criteria. More than one semantic link and one descriptor are possible.

A.7.1.3.1 Semantic link "has origin:"

Applicable descriptors are as follows:

- **ECG** (the origin of the measurement is the signal ECG)
- **ECG <lead>** (the origin of the measurement is the signal ECG as obtained with the specific <lead> position)

Table A.7.1.3.1 lists the ECG <lead> descriptors that are standardized and have been assigned a numerical code within the SCP-ECG (see CEN EN 1064 [B1]0).

**Table A.7.1.3.1—List of standardized ECG <lead> descriptors
from SCP-ECG** (multipage table)

Lead	RefId	SCP-Code
	MDC_ECG_LEAD_CONFIG	0
Unspecified lead	MDC_ECG_LEAD	0
I	MDC_ECG_LEAD_I	1
II	MDC_ECG_LEAD_II	2
V1	MDC_ECG_LEAD_V1	3
V2	MDC_ECG_LEAD_V2	4
V3	MDC_ECG_LEAD_V3	5
V4	MDC_ECG_LEAD_V4	6
V5	MDC_ECG_LEAD_V5	7
V6	MDC_ECG_LEAD_V6	8
V7	MDC_ECG_LEAD_V7	9
V2R	MDC_ECG_LEAD_V2R	10
V3R	MDC_ECG_LEAD_V3R	11
V4R	MDC_ECG_LEAD_V4R	12
V5R	MDC_ECG_LEAD_V5R	13
V6R	MDC_ECG_LEAD_V6R	14
V7R	MDC_ECG_LEAD_V7R	15
X	MDC_ECG_LEAD_VX	16
Y	MDC_ECG_LEAD_VY	17
Z	MDC_ECG_LEAD_VZ	18
CC5	MDC_ECG_LEAD_CC5	19

**Table A.7.1.3.1—List of standardized ECG <lead> descriptors
from SCP-ECG** (multipage table)

Lead	RefId	SCP-Code
CM5	MDC_ECG_LEAD_CM5	20
Left Arm	MDC_ECG_LEAD_LA	21
Right Arm	MDC_ECG_LEAD_RA	22
Left Leg	MDC_ECG_LEAD_LL	23
I	MDC_ECG_LEAD_fI	24
E	MDC_ECG_LEAD_fE	25
C	MDC_ECG_LEAD_fC	26
A	MDC_ECG_LEAD_fA	27
M	MDC_ECG_LEAD_fM	28
F	MDC_ECG_LEAD_fF	29
H	MDC_ECG_LEAD_fH	30
III	MDC_ECG_LEAD_III	61
aVR	MDC_ECG_LEAD_AVR	62
aVL	MDC_ECG_LEAD_AVL	63
aVF	MDC_ECG_LEAD_AVF	64
-aVR	MDC_ECG_LEAD_AVRneg	65
Reserved for future expansion		66–99
Application specific		100–255

A.7.1.3.2 Extension to ECG lead descriptors – IEEE Std 11073-10101-2004

The SCP definitions of ECG leads of Table A.7.1.3.1 were extended in IEEE Std 11073-10101-2004 to include lead descriptors for other common and commercial lead sets. The full list of ECG <lead> descriptors defined in IEEE Std 11073-10101-2004 is given in Table A.7.1.3.2.

A.7.1.3.3 Use of ECG lead descriptors

The lead origin descriptors in Table A.7.1.3.2 are applied to the base code in Table A.7.1.6.2 as described in A.7.1.3.1 to form the respective per-lead measurement. These terms are never used themselves; rather the acronym is appended to the base RefId to form the respective per-lead RefId.

For example the base RefId MDC_ECG_ELEC_POTL becomes MDC_ECG_ELEC_POTL_I for the ECG potential of lead I, and the term code would be 257.

A.7.1.3.4 Code table

See Table A.7.1.3.2 for the ECG lead origin descriptors of IEEE Std 11073-10101-2004. These are identified using the discriminator group [LEAD1].

See Table A.7.1.6.2 for the nomenclature and base codes for ECG measurements with lead origin.

Table A.7.1.3.2—Nomenclature and codes for ECG lead descriptors from IEEE Std 11073-10101-2004 with discriminator group [LEAD1] (multipage table)

Common term	Acronym	Description/Definition	RefId	Part::Code
		Unspecified lead	MDC_ECG_LEAD	2::0
	I		MDC_ECG_LEAD_I	2::1
	II		MDC_ECG_LEAD_II	2::2
	V1		MDC_ECG_LEAD_V1	2::3
	V2		MDC_ECG_LEAD_V2	2::4
	V3		MDC_ECG_LEAD_V3	2::5
	V4		MDC_ECG_LEAD_V4	2::6
	V5		MDC_ECG_LEAD_V5	2::7
	V6		MDC_ECG_LEAD_V6	2::8
	V7		MDC_ECG_LEAD_V7	2::9
	V2R		MDC_ECG_LEAD_V2R	2::10
	V3R		MDC_ECG_LEAD_V3R	2::11
	V4R		MDC_ECG_LEAD_V4R	2::12
	V5R		MDC_ECG_LEAD_V5R	2::13
	V6R		MDC_ECG_LEAD_V6R	2::14
	V7R		MDC_ECG_LEAD_V7R	2::15
	VX		MDC_ECG_LEAD_VX	2::16
	VY		MDC_ECG_LEAD_VY	2::17
	VZ		MDC_ECG_LEAD_VZ	2::18
	CC5		MDC_ECG_LEAD_CC5	2::19
	CM5		MDC_ECG_LEAD_CM5	2::20
Left Arm	LA		MDC_ECG_LEAD_LA	2::21
Right Arm	RA		MDC_ECG_LEAD_RA	2::22
Left Leg	LL		MDC_ECG_LEAD_LL	2::23
	fI		MDC_ECG_LEAD_fI	2::24
	fE		MDC_ECG_LEAD_fE	2::25
	fC		MDC_ECG_LEAD_fC	2::26
	fA		MDC_ECG_LEAD_fA	2::27
	fM		MDC_ECG_LEAD_fM	2::28
	fF		MDC_ECG_LEAD_fF	2::29
	fH		MDC_ECG_LEAD_fH	2::30
	Ical		MDC_ECG_LEAD_Ical	2::31
	IIcal		MDC_ECG_LEAD_IIcal	2::32
	V1cal		MDC_ECG_LEAD_V1cal	2::33
	V2cal		MDC_ECG_LEAD_V2cal	2::34
	V3cal		MDC_ECG_LEAD_V3cal	2::35
	V4cal		MDC_ECG_LEAD_V4cal	2::36
	V5cal		MDC_ECG_LEAD_V5cal	2::37
	V6cal		MDC_ECG_LEAD_V6cal	2::38
	V7cal		MDC_ECG_LEAD_V7cal	2::39
	V2Rcal		MDC_ECG_LEAD_V2Rcal	2::40
	V3Rcal		MDC_ECG_LEAD_V3Rcal	2::41
	V4Rcal		MDC_ECG_LEAD_V4Rcal	2::42
	V5Rcal		MDC_ECG_LEAD_V5Rcal	2::43

Table A.7.1.3.2—Nomenclature and codes for ECG lead descriptors from IEEE Std 11073-10101-2004 with discriminator group [LEAD1] (multipage table)

Common term	Acronym	Description/Definition	RefId	Part::Code
	V6Rcal		MDC_ECG_LEAD_V6Rcal	2::44
	V7Rcal		MDC_ECG_LEAD_V7Rcal	2::45
	VXcal		MDC_ECG_LEAD_VXcal	2::46
	VYcal		MDC_ECG_LEAD_VYcal	2::47
	VZcal		MDC_ECG_LEAD_VZcal	2::48
	C5cal		MDC_ECG_LEAD_C5cal	2::49
	CM5cal		MDC_ECG_LEAD_CM5cal	2::50
	LAcal		MDC_ECG_LEAD_LAcal	2::51
	Racal		MDC_ECG_LEAD_Racal	2::52
	LLcal		MDC_ECG_LEAD_LLcal	2::53
	fIcal		MDC_ECG_LEAD_fIcal	2::54
	fEcal		MDC_ECG_LEAD_fEcal	2::55
	fCcal		MDC_ECG_LEAD_fCcal	2::56
	fAcal		MDC_ECG_LEAD_fAcal	2::57
	fMcal		MDC_ECG_LEAD_fMcal	2::58
	fFcal		MDC_ECG_LEAD_fFcal	2::59
	fHcal		MDC_ECG_LEAD_fHcal	2::60
	III		MDC_ECG_LEAD_III	2::61
	aVR		MDC_ECG_LEAD_AVR	2::62
	aVL		MDC_ECG_LEAD_AVL	2::63
	aVF		MDC_ECG_LEAD_AVF	2::64
	-aVR		MDC_ECG_LEAD_AVRneg	2::65
	C		MDC_ECG_LEAD_C	2::66
	V		MDC_ECG_LEAD_V	2::67
	VR		MDC_ECG_LEAD_VR	2::68
	VL		MDC_ECG_LEAD_VL	2::69
	VF		MDC_ECG_LEAD_VF	2::70
	V8		MDC_ECG_LEAD_V8	2::71
	Dn		MDC_ECG_LEAD_Dn	2::72
	An		MDC_ECG_LEAD_An	2::73
	Jn		MDC_ECG_LEAD_Jn	2::74
	MCL		MDC_ECG_LEAD_MCL	2::75
	MCL1		MDC_ECG_LEAD_MCL1	2::76
	MCL2		MDC_ECG_LEAD_MCL2	2::77
	MCL3		MDC_ECG_LEAD_MCL3	2::78
	MCL4		MDC_ECG_LEAD_MCL4	2::79
	MCL5		MDC_ECG_LEAD_MCL5	2::80
	MCL6		MDC_ECG_LEAD_MCL6	2::81
	C1FR		MDC_ECG_LEAD_C1FR	2::82
	C2FR		MDC_ECG_LEAD_C2FR	2::83
	C3FR		MDC_ECG_LEAD_C3FR	2::84
	C4FR		MDC_ECG_LEAD_C4FR	2::85
	C4RFR		MDC_ECG_LEAD_C4RFR	2::86
	C5FR		MDC_ECG_LEAD_C5FR	2::87

Table A.7.1.3.2—Nomenclature and codes for ECG lead descriptors from IEEE Std 11073-10101-2004 with discriminator group [LEAD1] (multipage table)

Common term	Acronym	Description/Definition	RefId	Part::Code
	C6FR		MDC_ECG_LEAD_C6FR	2::88
	C7FR		MDC_ECG_LEAD_C7FR	2::89
	C8FR		MDC_ECG_LEAD_C8FR	2::90
	ECGLD91		MDC_ECG_LEAD_ECGLD91	2::91
	ECGLD92		MDC_ECG_LEAD_ECGLD92	2::92
	ECGLD93		MDC_ECG_LEAD_ECGLD93	2::93
	ECGLD94		MDC_ECG_LEAD_ECGLD94	2::94
	ECGLD95		MDC_ECG_LEAD_ECGLD95	2::95
	ECGLD96		MDC_ECG_LEAD_ECGLD96	2::96
	ECGLD97		MDC_ECG_LEAD_ECGLD97	2::97
	ECGLD98		MDC_ECG_LEAD_ECGLD98	2::98
	ECGLD99		MDC_ECG_LEAD_ECGLD99	2::99
	ES		MDC_ECG_LEAD_ES	2::100
	AS		MDC_ECG_LEAD_AS	2::101
	AI		MDC_ECG_LEAD_AI	2::102
	dI		MDC_ECG_LEAD_dI	2::103
	dII		MDC_ECG_LEAD_dII	2::104
	dIII		MDC_ECG_LEAD_dIII	2::105
	daVR		MDC_ECG_LEAD_daVR	2::106
	daVL		MDC_ECG_LEAD_daVL	2::107
	daVF		MDC_ECG_LEAD_daVF	2::108
	dV1		MDC_ECG_LEAD_dV1	2::109
	dV2		MDC_ECG_LEAD_dV2	2::110
	dV3		MDC_ECG_LEAD_dV3	2::111
	dV4		MDC_ECG_LEAD_dV4	2::112
	dV5		MDC_ECG_LEAD_dV5	2::113
	dV6		MDC_ECG_LEAD_dV6	2::114
	RL		MDC_ECG_LEAD_RL	2::115
	EASI_S		MDC_ECG_LEAD_EASI_S	2::116

A.7.1.3.5 Extension to ECG lead descriptors – IEEE Std 11073-10102

IEEE Std 11073-10102 is an extension of the ECG lead identifiers defined by ANSI/AAMI EC71-2001 [B7] with the numeric identifiers 0 to 85, inclusive, and it maintains semantic compatibility with the set of numeric identifiers defined in that standard.

IEEE Std 11073-10102 is also an extension of the ECG lead identifiers of SCP-ECG that are defined in Table A.7.1.3.1, having discriminator values 0 to 65, inclusive, and it maintains semantic compatibility with that set. The REFIDs for codes [0-65] are otherwise identical except that -10102 uses the “d” prefix instead of the “-cal” suffix and that X, Y, and Z are used instead of VX, VY, and VZ.

However it is not compatible with the additional ECG lead discriminators [66–116] that were defined in B.3 of ISO/IEEE 11073-10101:2004, and included as Table A.7.1.3.2 in this standard.

IEEE Std 11073-10102 expands the 35 original (not derived or calculated or interpolated) ECG leads defined in Table A.7.1.3.1 to 92 original leads and 92 derived leads, including several suitable for canine studies.

A.7.1.3.6 Use of ECG lead descriptors

To construct an identifier for a specific ECG lead (e.g., lead V2), the discriminator dSuffix value of _V2 is appended to the base MDC_ECG_LEAD to produce MDC_ECG_LEAD_V2, and the corresponding dOffset value of 4 is added to the base CODE10 for MDC_ECG_LEAD to yield a 16-bit, context-sensitive CODE10 value of 4 as well as a 32-bit, context-free CF_CODE10 value of 4.

For every original ECG lead, a derived lead is also defined. For example, the original lead MDC_ECG_LEAD_V2 would have the derived lead identifier MDC_ECG_LEAD_dV2. This replaces the use of the ANSI/AAMI EC71-2001 [B7] “-cal” designator, and more importantly, it defines a derived or calculated identifier for every original lead (including the augmented leads aVR, aVL, and aVF). The “d” prefix essentially provides an orthogonal flag in the RefId lead designator to indicate the derived status, equivalent to the earlier ANSI/AAMI EC71 “-calculated” leads.

The original and “derived” ECG lead RefIds (and lead suffixes) are expressed using only uppercase and lowercase letters and numbers (and underscores) to facilitate use by modern-day programming languages. In addition to the MDC_ECG_LEAD_XXX identifiers, the 8-bit ECG lead discriminator is used for all the per-lead ECG terms listed in Table A.7.1.6.2.

A.7.1.3.7 Code table

See Table A.7.1.3.3 for the ECG lead origin descriptors of 11073-10102. These are identified using the discriminator group [LEAD2].

See Table A.7.1.6.2 for the nomenclature and base codes for ECG measurements with lead origin.

Table A.7.1.3.3—Nomenclature and codes for ECG lead descriptors from IEEE Std 11073-10102 with discriminator group [LEAD2] (multipage table)

dOffset	dSuffix	Description	Bipolar-Unipolar	Positive reference	Negative reference
0		Unspecified lead (else: MDC_ECG_LEAD_CONFIG)			
1	_I	Lead I (see NOTE 1)	Bipolar	LA	RA
31	_dI				
2	_II	Lead II	Bipolar	LL	RA
32	_dII				
3	_V1	V1	Unipolar	1	WCT
33	_dV1				
4	_V2	V2	Unipolar	2	WCT
34	_dV2				
5	_V3	V3	Unipolar	3	WCT
35	_dV3				
6	_V4	V4	Unipolar	4	WCT
36	_dV4				
7	_V5	V5	Unipolar	5	WCT
37	_dV5				
8	_V6	V6	Unipolar	6	WCT
38	_dV6				
9	_V7	V7	Unipolar	7	WCT
39	_dV7				
10	_V2R	V2R (see NOTE 2)	Unipolar	2R	WCT

Table A.7.1.3.3—Nomenclature and codes for ECG lead descriptors from IEEE Std 11073-10102 with discriminator group [LEAD2] (multipage table)

dOffset	dSuffix	Description	Bipolar-Unipolar	Positive reference	Negative reference
40	_dV2R				
11	_V3R	V3R	Unipolar	3R	WCT
41	_dV3R				
12	_V4R	V4R	Unipolar	4R	WCT
42	_dV4R				
13	_V5R	V5R	Unipolar	5R	WCT
43	_dV5R				
14	_V6R	V6R	Unipolar	6R	WCT
44	_dV6R				
15	_V7R	V7R	Unipolar	7R	WCT
45	_dV7R				
16	_X	X (see NOTE 3)	Frank or orthogonal		
46	_dX				
17	_Y	Y	Frank or orthogonal		
47	_dY				
18	_Z	Z	Frank or orthogonal		
48	_dZ				
19	_CC5	CC5, per V5 and V5R placement	Bipolar	5	5R
49	_dCC5				
20	_CM5	CM5, per V5 placement	Bipolar	5	manubrium
50	_dCM5				
21	_LA	Left Arm	Unipolar	LA	RA+LA+LL=0
51	_dLA				
22	_RA	Right Arm	Unipolar	RA	RA+LA+LL=0
52	_dRA				
23	_LL	Left Leg	Unipolar	LL	RA+LA+LL=0
53	_dLL				
24	_fI	I (see NOTE 4)	Frank	fI	
54	_dfI				
25	_fE	E	Frank	fE	
55	_dfE				
26	_fC	C	Frank	fC	
56	_dfC				
27	_fA	A	Frank	fA	
57	_dfA				
28	_fM	M	Frank	fM	
58	_dfM				
29	_fF	F	Frank	fF	
59	_dfF				
30	_fH	H	Frank	fH	
60	_dfH				

Table A.7.1.3.3—Nomenclature and codes for ECG lead descriptors from IEEE Std 11073-10102 with discriminator group [LEAD2] (multipage table)

dOffset	dSuffix	Description	Bipolar-Unipolar	Positive reference	Negative reference
61	_III	III	Bipolar	LL	LA
111	_dIII				
62	_AVR	aVR, augmented voltage, right	Unipolar	RA	(LL+LA)/2
112	_dAVR				
63	_AVL	aVL, augmented voltage, left	Unipolar	LA	(LL+RA)/2
113	_dAVL				
64	_AVF	aVF, augmented voltage, foot	Unipolar	LL	(RA+LA)/2
114	_dAVF				
65	_AVRneg	–aVR (see NOTE 5)	Unipolar	-LL	(RA+LA)/2
115	_dAVRneg				
66	_V8	V8 (see NOTE 6)	Unipolar	8	WCT
79	_dV8				
67	_V9	V9	Unipolar	9	WCT
80	_dV9				
68	_V8R	V8R	Unipolar	8R	WCT
81	_dV8R				
69	_V9R	V9R	Unipolar	9R	WCT
82	_dV9R				
70	_D	D (Nehb – Dorsal)	Bipolar		
83	_dD				
71	_A	A (Nehb – Anterior)	Bipolar		
84	_dA				
72	_J	J (Nehb – Inferior)	Bipolar		
85	_dJ				
73	_DEFIB	Defibrillator lead (typically anterior-lateral)	Bipolar	anterior	lateral
135	_dDEFIB				
74	_EXTERN	External pacing lead (typically anterior-posterior)	Bipolar	anterior	posterior
136	_dEXTERN				
75	_A1	A1 (Auxiliary unipolar lead #1)	Unipolar	anywhere	WCT
137	_dA1				
76	_A2	A2 (Auxiliary unipolar lead #2)	Unipolar	anywhere	WCT
138	_dA2				
77	_A3	A3 (Auxiliary unipolar lead #3)	Unipolar	anywhere	WCT
139	_dA3				
78	_A4	A4 (Auxiliary unipolar lead #4)	Unipolar	anywhere	WCT
140	_dA4				
86	_C	Chest lead (see NOTE 7)	Generic		
116	_dC				
87	_V	Precordial lead	Bipolar	NOS	
117	_dV				

Table A.7.1.3.3—Nomenclature and codes for ECG lead descriptors from IEEE Std 11073-10102 with discriminator group [LEAD2] (multipage table)

dOffset	dSuffix	Description	Bipolar-Unipolar	Positive reference	Negative reference
88	_VR	VR, nonaugmented voltage, vector of RA	Unipolar	RA	RA+LA+LL=0
118	_dVR				
89	_VL	VL, nonaugmented voltage, vector of LA	Unipolar	LA	RA+LA+LL=0
119	_dVL				
90	_VF	VF, nonaugmented voltage, vector of LL	Unipolar	LL	RA+LA+LL=0
120	_dVF				
91	_MCL	Modified chest lead (left Arm indifferent)	Bipolar	NOS	CL
152	_dMCL				
92	_MCL1	MCL, per V1 placement	Bipolar	1	CL
141	_dMCL1				
93	_MCL2	MCL, per V2 placement	Bipolar	2	CL
142	_dMCL2				
94	_MCL3	MCL, per V3 placement	Bipolar	3	CL
143	_dMCL3				
95	_MCL4	MCL, per V4 placement	Bipolar	4	CL
144	_dMCL4				
96	_MCL5	MCL, per V5 placement	Bipolar	5	CL
145	_dMCL5				
97	_MCL6	MCL, per V6 placement	Bipolar	6	CL
146	_dMCL6				
98	_CC	Chest lead (symmetric placement)	Bipolar	NOS	NOS
153	_dCC				
99	_CC1	CC1, per V1 and V1R placement	Bipolar	1	1R
154	_dCC1				
100	_CC2	CC2, per V2 and V2R placement	Bipolar	2	2R
155	_dCC2				
101	_CC3	CC3, per V3 and V3R placement	Bipolar	3	3R
156	_dCC3				
102	_CC4	CC4, per V4 and V4R placement	Bipolar	4	4R
157	_dCC4				
103	_CC6	CC6, per V6 and V6R placement (see NOTE 8)	Bipolar	6	6R
158	_dCC6				
104	_CC7	CC7, per V7 and V8R placement	Bipolar	7	7R
159	_dCC7				
105	_CM	Chest-manubrium	Bipolar	NOS	manubrium
160	_dCM				
106	_CM1	CM1, per V1 placement	Bipolar	1	manubrium
161	_dCM1				
107	_CM2	CM2, per V2 placement	Bipolar	2	manubrium

Table A.7.1.3.3—Nomenclature and codes for ECG lead descriptors from IEEE Std 11073-10102 with discriminator group [LEAD2] (multipage table)

dOffset	dSuffix	Description	Bipolar-Unipolar	Positive reference	Negative reference
162	_dCM2				
108	_CM3	CM3, per V3 placement	Bipolar	3	manubrium
163	_dCM3				
109	_CM4	CM4, per V4 placement	Bipolar	4	manubrium
164	_dCM4				
110	_CM6	CM6, per V6 placement (see NOTE 9)	Bipolar	6	manubrium
165	_dCM6				
121	_CM7	CM7, per V7 placement	Bipolar	7	manubrium
166	_dCM7				
122	_CH5	— (see NOTE 10)	Bipolar	5	forehead
167	_dCH5				
123	_CS5	Negative: right infraclavicular fossa	Bipolar	5	rt infra fossa
168	_dCS5				
124	_CB5	Negative: low right scapula	Bipolar	5	lo rt scapula
169	_dCB5				
125	_CR5	—	Bipolar	5	RA
170	_dCR5				
126	_ML	ML, modified limb lead, ~ lead II			
171	_dML				
127	_AB1	AB1 (Auxiliary bipolar lead #1)	Bipolar		
172	_dAB1				
128	_AB2	AB2 (Auxiliary bipolar lead #2)	Bipolar		
173	_dAB2				
129	_AB3	AB3 (Auxiliary bipolar lead #3)	Bipolar		
174	_dAB3				
130	_AB4	AB4 (Auxiliary bipolar lead #4)	Bipolar		
175	_dAB4				
131	_ES	EASI ES (see NOTE 11)	Bipolar	E (fE)	S
176	_dES				
132	_AS	EASI AS	Bipolar	A (fA)	S
177	_dAS				
133	_AI	EASI AI	Bipolar	A (fA)	I (fI)
178	_dAI				
134	_S	EASI upper sternum lead			
179	_dS				
147	_RL	Right Leg			
180	_dRL				
148	_CV5RL	Canine, fifth right intercostal space near the edge of the sternum at the most curved part of the costal cartilage (see NOTE 12)	Unipolar	~rV2	WCT
181	_dCV5RL				

Table A.7.1.3.3—Nomenclature and codes for ECG lead descriptors from IEEE Std 11073-10102 with discriminator group [LEAD2] (multipage table)

dOffset	dSuffix	Description	Bipolar-Unipolar	Positive reference	Negative reference
149	_CV6LL	Canine, sixth left intercostal space near the edge of the sternum at the most curved part of the costal cartilage	Unipolar	~V2	WCT
182	_dCV6LL				
150	_CV6LU	Canine, sixth left intercostal space at the costochondral junction	Unipolar	~V4	WCT
183	_dCV6LU				
151	_V10	Canine, over dorsal spinous process of the seventh thoracic vertebra	Unipolar	~V10	WCT
184	_dV10				
200-255		Codes from 200 to 255 are reserved for manufacturer defined codes			

NOTE 1—SCP: The Einthoven lead one (coded with the Roman I; lead IDs 1 and 31) should not be confused with the Frank electrode I (eye; lead IDs 24 and 54).

NOTE 2—V2R is identical to lead V1. Similarly, lead V1R is identical to lead V2.

NOTE 3—SCP: Leads X, Y, and Z can be recorded by an orthogonal system, such as Frank or McFee lead systems.

NOTE 4—Frank leads indicated by “f” for clarity and label uniqueness.

NOTE 5—The term “-aVR” is replaced with the more programming-friendly term “aVRneg.”

NOTE 6—ANSI/AAMI EC71 ECG lead identifiers codes 66 to 85 are supported, in addition to codes 0 to 65.

NOTE 7—ECG lead identifier codes 86 and above are new, relative to ANSI/AAMI EC71-2001 [B7].

NOTE 8—CC5 was previously defined with code modifier 19.

NOTE 9—CM5 was previously defined with code modifier 20.

NOTE 10—CM5, CH5, CS5, CC5, CB5, and CR5 bipolar leads used in conjunction with stress testing (Macfarlane [B3], p. 323).

NOTE 11—EASI is a trademark in the U.S. Patent & Trademark Office, owned by the Philips Electronics North America Corporation and invented by Dr. Gordon Dower. Leads: S, upper sternum; E, lower sternum; A, under left arm, above V6; I, under right arm, above V6R.

NOTE 12—The canine leads are summarized in Macfarlane [B3], Volume 2, pp. 1270–1271. The abbreviations used in the left and right-most columns are based on Lannek [B20] modified for use with a Wilson central terminal. The subscripted terms used in the “+” column were proposed by the Committee of the American Academy of Veterinary Cardiology, and they are roughly similar to those used for humans.

NOTE 13—Codes 185 to 199 are reserved for future expansion. Codes 200 to 255 are reserved for manufacturer-specific codes.

A.7.1.3.8 Specification of lead set discriminator

Unless the ECG lead descriptor set is defined explicitly within the profile of a protocol, or otherwise defined, then the selected ECG lead descriptor set should be specified within the protocol through use of an enumerated value or otherwise. Term codes and RefId to represent the standards have been created within the external nomenclature partition for this purpose and may be used with the attribute MDC_ATTR_ECG_LEAD_SET. Currently the following are defined:

- IEEE Std 11073-10101:2004 use 256::11072
- IEEE Std 11073-10102-2012 use 256::11136

A.7.1.3.9 Semantic link "has method:"

Applicable descriptors are as follows:

- **Area** (the integral calculated using absolute (positive) values only. The area is always a positive value.)
- **Azimuth** (the method for computing the electrical axis of a specific ECG wave that considers a vector view using Frank ECG leads [X to left arm, Y to feet, Z to back, clockwise coordinate system.] The azimuth is the angle of the EKG vector in the transversal plane, 0 to 180 degrees from sinister to dexter. $\Rightarrow \arctan (Z/X)$. Positive angle if anterior, negative if posterior. The azimuth of the largest vector [e.g., of the P-wave, QRS-complex, and T-wave] is often used.)
- **Elevation** (the method for computing the electrical axis of a specific ECG wave that considers a vector view using Frank ECG leads. Elevation is the angle of the ECG vector from vertical axis 0 to 180 degrees from distal to cranium. It is computed over the horizontal plane. $\Rightarrow \arctan (Y/\sqrt{Z^2 + X^2})$. The elevation of the largest vector (e.g., of the P-wave, QRS-complex, and T-wave) is often used.)
- **Frontal** (the method for computing the electrical axis of a specific ECG wave that considers a frontal plane view using Eindhoven leads)
- **FrontalPlane** (the method for computing the electrical axis of a specific ECG wave that considers a vector view using Frank ECG leads and frontal plane projection [X and Y])
- **HorizontalPlane** (the method for computing the electrical axis of a specific ECG wave that considers a vector view using Frank ECG leads and horizontal plane projection [X and Z])
- **SagittalPlane** (the method for computing the electrical axis of a specific ECG wave that considers a vector view using Frank ECG leads and sagittal plane projection [Y and Z])
- **Vector** (the method for computing the electrical axis of a specific ECG wave that considers a vector view using Frank ECG leads)

A.7.1.3.10 Semantic link "is computed as:"

Applicable descriptors for the computational instruction for desired ECG wave points are as follows:

- **FirstExtremum**
- **SecondExtremum**
- **ThirdExtremum**

Applicable descriptors for the computing criterion of the measurement, i.e., the amplitude of the R wave computed as the maximum of the ECG signal with respect to the baseline, are as follows:

- **Maximum**
- **Minimum**

The descriptor for the largest vector of the P wave, QRS complex, and T wave is as follows:

- **MaximumVector**

The descriptor for a measurement period in ST segment is as follows:

- **QRS_offset_+20ms_to_QRS_offset_+60ms**

The descriptor for QTc, often related to a heart rate of 60 beats per minute by using the Bazett formula, is as follows:

- **QTc** (i.e., QT corrected) where $RR = 60/\text{Heart Rate}$

$$\frac{QT}{\sqrt{RR}}$$

The Bazett formula is often criticized as being inaccurate for high and low heart rates, and QT is related to 60 beats per minute using other formulae.

The Framingham formula is

$$QT + 0.154 \times (1 - RR)$$

The Hodges formula is

$$QT + 0.00175 \times (HR - 60)$$

The Frederica formula is

$$\frac{QT}{\sqrt[3]{RR}}$$

A.7.1.3.11 Semantic link "*has time criterion*:"

The semantic link "*has time criterion*:" refers to the temporal criterion involved in the measurement, i.e., the time of occurrence of a specific event (e.g., the R wave) or the time interval between two events (e.g., two consecutive R waves).

Applicable descriptors are as follows:

- **Beats** (an ECG beat)
- **J** (point)
- **J20** (point)
- **J40** (point)
- **J60** (point)
- **J80** (point)
- **P** (wave)
- **PQ** (interval)
- **PQSegment**
- **PP** (interval)
- **PR** (interval)
- **Q** (wave)
- **QRS** (complex)
- **QT** (interval)
- **R** (wave)
- **R1**
- **R2**

- **R3**
- **RR** (interval)
- **S** (wave)
- **S1**
- **S2**
- **S3**
- **ST** (segment)
- **T** (wave)
- **VentricularActivation**

A.7.1.4 Second set of differentiating criteria

One semantic link is applied for this set of differentiating criteria.

A.7.1.4.1 Semantic link "*concerns*:"

The descriptor is as follows:

- **Heart**

A.7.1.5 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organic system for which the term is relevant.

A.7.1.5.1 Semantic link "*has context*:"

The descriptor is as follows:

- **CVS** (cardiovascular system)

A.7.1.6 Code tables

See Table A.7.1.6.1 for the nomenclature and codes for global lead ECG measurements and Table A.7.1.6.2 for the nomenclature and codes for ECG measurements with lead origin.

Table A.7.1.6.1—Nomenclature and codes for global lead ECG measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Angle ECG, J20, Azimuth Heart CVS			Azimuth of the vector at 20 ms after the end of QRS complex of ECG	MDC_ECG_ANGLE_J20_A ZIM	2::16248
Angle ECG, J80, Azimuth Heart CVS			Azimuth of the vector at 80 ms after the end of QRS complex of ECG	MDC_ECG_ANGLE_J80_A ZIM	2::16284
Angle ECG, J80, Elevation Heart CVS			Elevation of the vector at 80 ms after the end of QRS complex of ECG	MDC_ECG_ANGLE_J80_E LEV	2::16288
Angle ECG, Jxx, Azimuth Heart CVS			Azimuth of the vector at xx ms after the end of QRS complex of ECG. The time point xx is defined globally by item with code MDC_ECG_TIME_ST_Jxx (2::16304)	MDC_ECG_ANGLE_Jxx_A ZIM	2::16296
Angle ECG, Jxx, Elevation Heart CVS			Elevation of the vector at xx ms after the end of QRS complex of ECG. The time point xx is defined globally by item with code MDC_ECG_TIME_ST_Jxx (2::16304)	MDC_ECG_ANGLE_Jxx_E LEV	2::16300
Angle ECG, J, Azimuth Heart CVS			Azimuth of the vector at the end of QRS complex (functional point or J point)	MDC_ECG_ANGLE_J_AZI M	2::16236
Angle ECG, J, Elevation Heart CVS			Elevation of the vector at the end of QRS complex (functional point or J point)	MDC_ECG_ANGLE_J_ELE V	2::16240
Angle ECG, J20, Elevation Heart CVS			Elevation of the vector at 20 ms after the end of QRS complex of ECG	MDC_ECG_ANGLE_J20_E LEV	2::16252
Angle ECG, J40, Azimuth Heart CVS			Azimuth of the vector at 40 ms after the end of QRS complex of ECG	MDC_ECG_ANGLE_J40_A ZIM	2::16260
Angle ECG, J40, Elevation Heart CVS			Elevation of the vector at 40 ms after the end of QRS complex of ECG	MDC_ECG_ANGLE_J40_E LEV	2::16264
Angle ECG, J60, Azimuth Heart CVS			Azimuth of the vector at 60 ms after the end of QRS complex of ECG	MDC_ECG_ANGLE_J60_A ZIM	2::16272
Angle ECG, J60, Elevation Heart CVS			Elevation of the vector at 60 ms after the end of QRS complex of	MDC_ECG_ANGLE_J60_E LEV	2::16276
Angle ECG, P, Azimuth, MaximumVector Heart CVS			Azimuth angle of the electrical axis of the P wave of ECG	MDC_ECG_ANGLE_P_AZI M	2::16204
Angle ECG, P, Elevation, MaximumVector Heart CVS			Elevation angle of the electrical axis of the P wave of ECG	MDC_ECG_ANGLE_P_EL EV	2::16216
Angle ECG, P, Frontal Heart CVS	P wave axis	Paxis	Angle of the electrical axis of the P wave of ECG (in frontal plane)	MDC_ECG_ANGLE_P_FR ONT	2::16128
Angle ECG, QRS, Azimuth, MaximumVector Heart CVS			Azimuth of the electrical axis of the QRS complex of ECG	MDC_ECG_ANGLE_QRS_ AZIM	2::16208
Angle ECG, QRS, Elevation, MaximumVector Heart CVS			Elevation of the electrical axis of the QRS complex of ECG	MDC_ECG_ANGLE_QRS_ ELEV	2::16220

Table A.7.1.6.1—Nomenclature and codes for global lead ECG measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Angle ECG, QRS, Frontal Heart CVS	QRS axis	QRSaxis	Angle of the electrical axis of the QRS complex of ECG (in frontal plane)	MDC_ECG_ANGLE_QRS_FRONT	2::16132
Angle ECG, T, Azimuth, MaximumVector Heart CVS			Elevation of the electrical axis of the T wave of ECG	MDC_ECG_ANGLE_T_ELE_V	2::16224
Angle ECG, T, Elevation, MaximumVector Heart CVS			Azimuth of the electrical axis of the T wave of ECG	MDC_ECG_ANGLE_T_AZI_M	2::16212
Angle ECG, T, Frontal Heart CVS	T wave axis	Taxis	Angle of the electrical axis of the T wave of ECG (in frontal plane)	MDC_ECG_ANGLE_T_FRONT	2::16136
Count Extrasystoles, Contraction, SupraVentricular, Premature ECG, Heart CVS		SPVC count	SPVCs count	MDC_ECG_SV_P_C_CNT	2::16929
Count Extrasystoles, Contraction, SupraVentricular ECG, Heart CVS			SV beat count	MDC_ECG_SV_BEAT_CN_T	2::16905
Count Extrasystoles, Contraction, SupraVentricular ECG, Heart CVS			SV beat count	MDC_ECG_SV_BEATS	2::17144
Count Extrasystoles, Contraction, SupraVentricular, Ectopic ECG, Heart CVS			SV ectopic count	MDC_ECG_SV_ECT_CNT	2::16921
Count Extrasystoles, Contraction, SupraVentricular, Premature, Run ECG, Heart CVS		RUN S count	Several consecutive supraventricular extrasystoles count	MDC_ECG_SV_P_C_RUN_CNT	2::17033
Count Extrasystoles, Contraction, Ventricular, Premature ECG, Heart CVS	PVC count		PVC count	MDC_ECG_V_P_C_CNT	2::16993
Count Extrasystoles, Contraction, Ventricular, Premature ECG, Heart CVS	PVC count		PVC count	MDC_ECG_VPC_COUNT	2::16024
Count Extrasystoles, Contraction, Ventricular, Premature, Multiformed ECG, Heart CVS		MFPVC	Multiformed PVCs (polyformed) count	MDC_ECG_V_P_C_MULTIFOCAL_CNT	2::17657
Count Extrasystoles, Contraction, Ventricular, Premature, R-on-T ECG, Heart CVS		RTPVC count	PVC R-on-T count	MDC_ECG_V_P_C_RonT_CNT	2::17057
Count Extrasystoles, Contraction, Ventricular, Premature, Pair ECG, Heart CVS		PVC pair count	PVC pair count	MDC_ECG_V_P_C_PAIR_CNT	2::17025

Table A.7.1.6.1—Nomenclature and codes for global lead ECG measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Count Extrasystoles, Contraction, Ventricular, Premature, Run ECG, Heart CVS		RUN V count	Several consecutive premature ventricular contractions count	MDC_ECG_V_P_C_RUN_CNT	2::17041
Count Extrasystoles, Contraction, Ventricular, Premature, Q ECG, Heart CVS		PVC Q count	PVC Q run count	MDC_ECG_V_P_C_Q_RU_N_CNT	2::17129
Count Rhythm, Ectopic Heart, ECG CVS			Ectopic rhythm count	MDC_ECG_ECT_CNT	2::16521
Count Rhythm, Beat ECG, Heart CVS			Beat count	MDC_ECG_CARD_BEAT_CNT	2::16769
Count Rhythm, Beat ECG, Heart CVS			Beat count	MDC_ECG_BEAT_COUNT	2::16032
Count Rhythm, Beat, Missed ECG, Heart CVS			Missed beat count	MDC_ECG_BEAT_MISSED_CNT	2::16473
Count Pacer, Pacing, Beat Heart, ECG CVS			Paced beat count	MDC_ECG_PACED_BEAT_CNT	2::16553
Count Pacer, Pacing, Beat Heart, ECG CVS			Paced beat count	MDC_ECG_PACED_BEAT_S	2::17152
Count Pacer, Pacing, Not Captured Heart, ECG CVS			Paced beat not captured count	MDC_ECG_PACING_NON_CAPT_CNT	2::16577
Count Pacer, Pacing, Run Heart, ECG CVS			Paced beat run count	MDC_ECG_PACING_RUN_CNT	2::16593
Count Pacer, Not Pacing Heart, ECG CVS			Not pacing count	MDC_ECG_PACER_NOT_PACING_CNT	2::16865
Count Pacer, Pacing, Beat, Atrial Heart, ECG CVS			Atrial Paced Beat count	MDC_ECG_ATR_PACED_BEAT_CNT	2::16465
Count Pacer, Pacing, Beat, Ventricle Heart, ECG CVS			Ventricle Paced Beat Count	MDC_ECG_V_PACED_BEAT_CNT	2::16985
Count Pacer, Pacing, Beat, Dual Heart, ECG CVS			Dual Paced Beat Count	MDC_ECG_DUAL_PACED_BEAT_CNT	2::16513
Duration ECG, P Heart CVS	P duration		Duration of the P wave of ECG (global)	MDC_ECG_TIME_PD_P_G	2::16184
Duration ECG, PP Heart CVS	P-P interval	PP	Duration of the interval between two consecutive P waves of ECG (global)	MDC_ECG_TIME_PD_PP_GL	2::16140
Duration ECG, PQ Heart CVS	P-Q interval, P-R interval	PQint, PRint	Duration of the interval between P onset and QRS onset of ECG (global)	MDC_ECG_TIME_PD_PQ_GL	2::16144

Table A.7.1.6.1—Nomenclature and codes for global lead ECG measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Duration ECG, PQSegment Heart CVS	P-Q segment	PQseg	Duration of the interval between P onset and QRS onset of ECG (global) (synonymous to PR interval - American)	MDC_ECG_TIME_PD_PQ_SEG_GL	2::16148
Duration ECG, PR Heart CVS	P-R duration	PR	Duration of the interval between P onset and QRS onset of ECG (global) (synonymous to PQseg interval)	MDC_ECG_TIME_PD_PR_GL	2::16148
Duration ECG, PR Heart CVS	P-R interval	PRint	Duration of the interval between P onset and QRS onset of ECG R-wave (global)	MDC_ECG_TIME_PD_PR_INT_GL	2::15872
Duration ECG, QRS Heart CVS	QRS duration		Duration of the QRS complex of ECG (global)	MDC_ECG_TIME_PD_QR_S_GL	2::16156
Duration ECG, QT Heart CVS	Q-T interval	QT	Duration of the interval between the QRS onset and T wave offset of ECG (global)	MDC_ECG_TIME_PD_QT_GL	2::16160
Duration ECG, QTc, NOS Heart CVS	Q-T c (unspecified)	QTc	Duration of the interval between the QRS onset and T wave offset, corrected for heart rate using an unspecified correction	MDC_ECG_TIME_PD_QT_NOS_GL	2::15876
Duration ECG, QTc Heart CVS	Q-T c	QTc	Duration of the interval between the QRS onset and T wave offset, related to heart rate 60 beats per minute of ECG (global), Bazett formula	MDC_ECG_TIME_PD_QT_CORR_GL	2::16164
Duration ECG, QTc, Bazett Heart CVS	Q-T c Bazett	QTc	Duration of the interval between the QRS onset and T wave offset, related to heart rate 60 beats per minute of ECG (global), Bazett formula	MDC_ECG_TIME_PD_QT_BAZETT	2::15880
Duration ECG, QTc, Framingham Heart CVS	Q-T c Framingham	QTc	Duration of the interval between the QRS onset and T wave offset, related to heart rate 60 beats per minute of ECG (global), Framingham formula	MDC_ECG_TIME_PD_QT_FRAMINGHAM	2::15884
Duration ECG, QTc, Hodges Heart CVS	Q-T c Hodges	QTc	Duration of the interval between the QRS onset and T wave offset, related to heart rate 60 beats per minute of ECG (global), Hodges formula	MDC_ECG_TIME_PD_QT_HODGES	2::15888
Duration ECG, QTc, Frederica Heart CVS	Q-T c Frederica	QTc	Duration of the interval between the QRS onset and T wave offset, related to heart rate 60 beats per minute of ECG (global), Frederica formula	MDC_ECG_TIME_PD_QT_FREDERICA	2::15892
Duration ECG, QTc, User defined Heart CVS	Q-T c User	QTc	Duration of the interval between the QRS onset and T wave offset, related to heart rate 60 beats per minute of ECG (global), User formula	MDC_ECG_TIME_PD_QT_USER	2::15896
Duration ECG, QTU Heart CVS			Duration of the interval between the QRS onset and U wave offset for fused TU wave. Used when QT duration cannot be measured, so QTU duration is measured instead	MDC_ECG_TIME_PD_QTU_GL	2::16004

Table A.7.1.6.1—Nomenclature and codes for global lead ECG measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Duration ECG, QT Dispersion, User Heart CVS	Q-T Dispersion		Difference in the maximum and minimum duration of the interval between the QRS onset and T wave offset	MDC_ECG_DISPERSION_QT	2::16008
Duration ECG, QTc Dispersion, User Heart CVS	Q-T c Dispersion		Difference in the maximum and minimum duration of the interval between the QRS onset and T wave offset, related to heart rate 60 beats per minute of ECG (global)	MDC_ECG_DISPERSION_QTC	2::16012
Duration ECG, RR Heart CVS	R-R interval	RR	Duration of the interval between two consecutive QRS complexes	MDC_ECG_TIME_PD_RR_GL	2::16168
Duration ECG, RR Heart CVS	R-R interval	RR	Duration of the interval between two consecutive QRS complexes	MDC_ECG_RR	2::16168
Duration ECG, RR, Maximum Heart CVS	R-R interval maximum	RR	Maximum duration of the interval between two consecutive QRS complexes	MDC_ECG_RR_MAX	2::16169
Duration Rhythm, Beat ECG, Heart CVS			Beat to beat duration	MDC_ECG_CARD_BEAT_BT	2::16776
Duration ECG, Ventricular Heart CVS	Ventricular rate		Duration of the interval between two consecutive ventricular beats	MDC_ECG_VENTRICULAR_RATE	2::16016
Duration ECG, Atrial Heart CVS	Atrial rate		Duration of the interval between two consecutive atrial beats	MDC_ECG_ATRIAL_RATE	2::16020
Duration ECG, STJxx Heart CVS	Time of STJxx	Tjxx	Definition of reference time point xx ms after the end of QRS complex in ECG for potential measurements in ST segment.	MDC_ECG_TIME_ST_Jxx	2::16304
ElectricalPotential ECG, lead set Heart CVS	ECG, Lead set	ECG	ECG as recorded from a set of leads (time sample array is unspecified lead as a composite element of specified or unspecified leads)	MDC_ECG_ELEC_POTL	2::256
Magnitude ECG, J, Vector Heart CVS			Magnitude of the vector at the end of QRS complex (junctional point or J point) of ECG in specified <lead>	MDC_ECG_MAG_J_VECT	2::16232
Magnitude ECG, J20, Vector Heart CVS			Magnitude of the vector at 20 ms after the end of QRS complex of ECG in specified <lead>	MDC_ECG_MAG_J20_VE	2::16244
Magnitude ECG, J40, Vector Heart CVS			Magnitude of the vector at 40 ms after the end of QRS complex of ECG in specified <lead>	MDC_ECG_MAG_J40_VE	2::16256
Magnitude ECG, J60, Vector Heart CVS			Magnitude of the vector at 60 ms after the end of QRS complex of ECG in specified <lead>	MDC_ECG_MAG_J60_VE	2::16268
Magnitude ECG, J80, Vector Heart CVS			Magnitude of the vector at 80 ms after the end of QRS complex of ECG in specified <lead>	MDC_ECG_MAG_J80_VE	2::16280

Table A.7.1.6.1—Nomenclature and codes for global lead ECG measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Magnitude ECG, Jxx, Vector Heart CVS			Magnitude of the vector at xx ms after the end of QRS complex of ECG in specified <lead>. The time point xx is defined globally by item with code MDC_ECG_TIME_ST_Jxx (2::16304)	MDC_ECG_MAG_Jxx_VEC_T	2::16292
Magnitude ECG, P, Frontal Heart CVS			Length of the vector of the P wave of ECG (in frontal plane)	MDC_ECG_MAG_P_FRON_T	2::16172
Magnitude ECG, P, MaximumVector Heart CVS			Magnitude at the maximum vector of the P wave of ECG computed as square root of squared scalar magnitudes of X, Y, Z	MDC_ECG_MAG_P_VECT	2::16192
Magnitude ECG, P, MaximumVector, FrontalPlane Heart CVS			Magnitude at the maximum vector of the P wave of ECG in frontal plane computed as square root of squared scalar magnitudes of X, Y	MDC_ECG_MAG_P_VECT_FRONT	2::16308
Magnitude ECG, P, MaximumVector, HorizontalPlane Heart CVS			Magnitude at the maximum vector of the P wave of ECG in horizontal plane computed as square root of squared scalar magnitudes of X, Z	MDC_ECG_MAG_P_VECT_HORIZ	2::16312
Magnitude ECG, P, MaximumVector, SagittalPlane Heart CVS			Magnitude at the maximum vector of the P wave of ECG in sagittal plane computed as square root of squared scalar magnitudes of Y, Z	MDC_ECG_MAG_P_VECT_SAGI	2::16316
Magnitude ECG, QRS, Frontal Heart CVS			Length of the vector of the QRS complex of ECG (in frontal plane)	MDC_ECG_MAG_QRS_FRONT	2::16176
Magnitude ECG, QRS, MaximumVector Heart CVS			Magnitude at the maximum vector of the QRS complex of ECG computed as square root of squared scalar magnitudes of X, Y, Z	MDC_ECG_MAG_QRS_VE_CT	2::16196
Magnitude ECG, QRS, MaximumVector, FrontalPlane Heart CVS			Magnitude at the maximum vector of the QRS complex of ECG in frontal plane computed as square root of squared scalar magnitudes of X, Y	MDC_ECG_MAG_QRS_VE_CT_FRONT	2::16320
Magnitude ECG, QRS, MaximumVector, HorizontalPlane Heart CVS			Magnitude at the maximum vector of the QRS complex of ECG in horizontal plane computed as square root of squared scalar magnitudes of X, Z	MDC_ECG_MAG_QRS_VE_CT_HORIZ	2::16324
Magnitude ECG, QRS, MaximumVector, SagittalPlane Heart CVS			Magnitude at the maximum vector of the QRS complex of ECG in sagittal plane computed as square root of squared scalar magnitudes of Y, Z	MDC_ECG_MAG_QRS_VE_CT_SAGI	2::16328
Magnitude ECG, T, Frontal Heart CVS			Length of the vector of the T wave of ECG (in frontal plane)	MDC_ECG_MAG_T_FRON_T	2::16180
Magnitude ECG, T, MaximumVector Heart CVS			Magnitude of the maximum vector of the T wave of ECG computed as square root of squared scalar magnitudes of X, Y, Z	MDC_ECG_MAG_T_VECT	2::16200

Table A.7.1.6.1—Nomenclature and codes for global lead ECG measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Magnitude ECG, T, MaximumVector, FrontalPlane Heart CVS			Magnitude at the maximum vector of the T wave of ECG in frontal plane computed as square root of squared scalar magnitudes of X, Y	MDC_ECG_MAG_T_VECT _FRONT	2::16332
Magnitude ECG, T, MaximumVector, HorizontalPlane Heart CVS			Magnitude at the maximum vector of the T wave of ECG in horizontal plane computed as square root of squared scalar magnitudes of X, Z	MDC_ECG_MAG_T_VECT _HORIZ	2::16336
Magnitude ECG, T, MaximumVector, SagittalPlane Heart CVS			Magnitude at the maximum vector of the T wave of ECG in sagittal plane computed as square root of squared scalar magnitudes of Y, Z	MDC_ECG_MAG_T_VECT _SAGI	2::16340
Percentage Bigeminus ECG, Heart CVS			Bigeminus Percentage	MDC_ECG_BIGEM_PCT	2::18001
Percentage Rhythm, Beat, Irregular ECG, Heart CVS			Irregular Beat Percentage	MDC_ECG_CARD_BEAT_ RATE_IRREG_PCT	2::18002
Percentage Pacer, Pacing, Beat Heart, ECG CVS			Paced beat percentage	MDC_ECG_PACED_BEAT _PCT	2::18004
Percentage Pacer, Pacing, Beat, Atrial Heart, ECG CVS			Atrial Paced Beat Percentage	MDC_ECG_ATR_PACED_ BEAT_PCT	2::18000
Percentage Pacer, Pacing, Beat, Ventricle Heart, ECG CVS			Ventricle Paced Beat Percentage	MDC_ECG_V_PACED_BE AT_PCT	2::18006
Percentage Pacer, Pacing, Beat, Dual Heart, ECG CVS			Dual Paced Beat Percentage	MDC_ECG_DUAL_PACED _BEAT_PCT	2::18003
Rate Beats Heart CVS	Heart rate	HR	Rate of cardiac beats	MDC_ECG_HEART_RATE	2::16770
Rate, Minimum Beats Heart CVS	Heart rate minimum	HR minimum	Minimum rate of cardiac beats	MDC_ECG_HEART_RATE _MIN	2::16772
Rate Rhythm, Beat ECG, Heart CVS			Beat rate	MDC_ECG_CARD_BEAT_ RATE	2::16770
Rate Extrasystoles, Contraction, SupraVentricular, Premature ECG, Heart CVS		SPVC rate	SPVCs rate	MDC_ECG_SV_P_C_RAT E	2::16930
Rate Extrasystoles, Contraction, SupraVentricular, Premature ECG, Heart CVS		SPVC rate	SPVCs rate	MDC_ECG_SVPC_RATE	2::16028
Rate, Maximum Extrasystoles, Contraction, SupraVentricular, Premature ECG, Heart CVS		SPVC rate maximum	SPVCs rate maximum	MDC_ECG_SV_P_C_RAT E_MAX	2::16931
Rate, Minimum Extrasystoles, Contraction, SupraVentricular, Premature ECG, Heart CVS		SPVC rate minimum	SPVCs rate minimum	MDC_ECG_SV_P_C_RAT E_MIN	2::16932

Table A.7.1.6.1—Nomenclature and codes for global lead ECG measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Rate Extrasystoles, Contraction, Ventricular, Premature ECG, Heart CVS	PVC rate		PVC rate	MDC_ECG_V_P_C_RATE	2::16994
Rate, Maximum Extrasystoles, Contraction, Ventricular, Premature ECG, Heart CVS	PVC rate maximum		PVC rate maximum	MDC_ECG_V_P_C_RATE_MAX	2::16995
Rate, Minimum Extrasystoles, Contraction, Ventricular, Premature ECG, Heart CVS	PVC rate minimum		PVC rate minimum	MDC_ECG_V_P_C_RATE_MIN	2::16996
Rate Rhythm, Beat ECG, Heart CVS			Beat to beat rate	MDC_ECG_CARD_BEAT_RATE_BT	2::16778
Rate Rhythm, Beat, Irregular ECG, Heart CVS			Irregular Beat	MDC_ECG_CARD_BEAT_RATE_IRREG	2::16784
Rate Pacer, Pacing, Beat Heart, ECG CVS			Paced beat rate	MDC_ECG_PACED_BEAT_RATE	2::16554
Rate, Maximum Pacer, Pacing, Beat Heart, ECG CVS			Paced beat rate maximum	MDC_ECG_PACED_BEAT_RATE_MAX	2::16555
Rate, Minimum Pacer, Pacing, Beat Heart, ECG CVS			Paced beat rate minimum	MDC_ECG_PACED_BEAT_RATE_MIN	2::16556
Type ECG, QRS Heart CVS	QRS type	QRS typ	Type of QRS complex of ECG observed.	MDC_ECG_QRS_TYPE	2::16188

Table A.7.1.6.2—Nomenclature and codes for ECG measurements with lead origin (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Duration ECG <lead>, Isopotential Heart CVS			Time point of isopotential reference in a specified <lead>	MDC_ECG_POINT_ISO	2::10752
Duration ECG <lead>, Reference point Heart CVS			Time point of a reference in a specified <lead>	MDC_ECG_POINT_REF	2::10240
Duration ECG <lead>, ST point Heart CVS			Time point of start of ST segment in a specified <lead>	MDC_ECG_POINT_ST	2::10496
Duration ECG <lead>, P Heart CVS	P duration		Duration of the P wave of ECG in <lead>	MDC_ECG_TIME_PD_P	2::6656
Timepoint ECG <lead>, P, End Heart CVS		Poff	Time point of end of P wave in a specified <lead>	MDC_ECG_TIME_END_P	2::5888
Duration ECG <lead>, P, FirstExtremum Heart CVS			Duration of the interval between P onset and the first extremum of the P wave of ECG in specified <lead>	MDC_ECG_TIME_PD_P1	2::4608

Table A.7.1.6.2—Nomenclature and codes for ECG measurements with lead origin (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Duration ECG <lead>, P, Start Heart CVS SecondExtremum Heart CVS			Duration of the interval between P onset and the second extremum of the P wave of ECG in specified <lead>	MDC_ECG_TIME_PD_P2	2::4864
Timepoint ECG <lead>, P, Start Heart CVS		Pon	Time point of start of P wave in a specified <lead>	MDC_ECG_TIME_START_P	2::9472
Duration ECG <lead>, P, ThirdExtremum Heart CVS			Duration of the interval between P onset and the third extremum of the P wave of ECG in specified <lead>	MDC_ECG_TIME_PD_P3	2::5120
Duration ECG <lead>, PR Heart CVS	P-R interval	PR	Duration of the interval between P offset and QRS onset of ECG in <lead>	MDC_ECG_TIME_PD_PR	2::7168
Duration ECG <lead>, PP Heart CVS	P-P interval	PP	Duration of the interval between two consecutive P waves of ECG in <lead>	MDC_ECG_TIME_PD_PP	2::32768
Duration ECG <lead>, PQ Heart CVS	P-Q interval	PQ	Time period, PQ, in specified <lead>	MDC_ECG_TIME_PD_PQ	2::33280
Duration ECG <lead>, PQ segment Heart CVS	PQ segment		Time period, PQ segment	MDC_ECG_TIME_PD_PQ_SEG	2::33536
Duration ECG <lead>, RR Heart CVS	R-R interval	RR	Duration of the interval between two consecutive QRS complexes in <lead>	MDC_ECG_TIME_PD_RR	2::33024
Duration ECG <lead>, Q Heart CVS	Q wave duration		Duration of the Q wave of ECG in <lead>	MDC_ECG_TIME_PD_Q	2::7680
Duration ECG <lead>, QRS Heart CVS	QRS duration		Duration of the QRS complex of ECG in <lead>	MDC_ECG_TIME_PD_QRS	2::7936
Timepoint ECG <lead>, QRS, End Heart CVS		QRSoff	Time point of end of QRS complex in a specified <lead>	MDC_ECG_TIME_END_QRS	2::6144
Timepoint ECG <lead>, QRS, Start Heart CVS		QRSon	Time point of start of QRS complex in a specified <lead>	MDC_ECG_TIME_START_QRS	2::9728
Duration ECG <lead>, QT Heart CVS	Q-T interval	QT	Duration of the interval between the QRS onset and T wave offset of ECG in <lead> (used for QT dispersion)	MDC_ECG_TIME_PD_QT	2::8192
Duration ECG {lead}, QTc Heart CVS	QTc		Time period, QT (correction specified as a separate attribute or unknown)	MDC_ECG_TIME_PD_QTC_NOS	2::33792
Duration ECG <lead>, QTc Heart CVS	Q-T c	QTc Bazett	Duration of the interval between the QRS onset and T wave offset, related to heart rate 60 beats per minute of ECG in <lead>, Bazett formula	MDC_ECG_TIME_PD_QT_CORR	2::8448
Duration ECG <lead>, QTcB Heart CVS	Q-T c	QTc Bazett	Duration of the interval between the QRS onset and T wave offset, related to heart rate 60 beats per minute of ECG in <lead>, Bazett formula	MDC_ECG_TIME_PD_QTcB	2::34048

Table A.7.1.6.2—Nomenclature and codes for ECG measurements with lead origin (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Duration ECG <lead>, QTc Heart CVS	Q-T c	QTc	Duration of the interval between the QRS onset and T wave offset, related to heart rate 60 beats per minute of ECG in <lead>, Framingham formula	MDC_ECG_TIME_PD_QTc_F	2::34304
Duration ECG <lead>, QTU Heart CVS	Q-T c	QTU	Time period, QTU	MDC_ECG_TIME_PD_QTU	2::34560
Duration ECG <lead>, R1 Heart CVS	R1 wave duration	R1	Duration of the R1 wave of ECG in <lead>	MDC_ECG_TIME_PD_R_1	2::11264
Duration ECG <lead>, R2 Heart CVS	R2 wave duration	R2	Duration of the R2 wave of ECG in <lead>	MDC_ECG_TIME_PD_R_2	2::11520
Duration ECG <lead>, R3 Heart CVS	R3 wave duration	R3	Duration of the R3 wave of ECG in <lead>	MDC_ECG_TIME_PD_R_3	2::11776
Duration ECG <lead>, S1 Heart CVS	S1 wave duration	S1	Duration of the S1 wave of ECG in <lead>	MDC_ECG_TIME_PD_S_1	2::12032
Duration ECG <lead>, S2 Heart CVS	S2 wave duration	S2	Duration of the S2 wave of ECG in <lead>	MDC_ECG_TIME_PD_S_2	2::12288
Duration ECG <lead>, S3 Heart CVS	S3 wave duration	S3	Duration of the S3 wave of ECG in <lead>	MDC_ECG_TIME_PD_S_3	2::12544
Timepoint ECG <lead>, T, End Heart CVS		Toff	Time point of end of T wave in a specified <lead>	MDC_ECG_TIME_END_T	2::6400
Timepoint ECG <lead>, T, Start Heart CVS		Ton	Time point of start of T wave in a specified <lead>	MDC_ECG_TIME_START_T	2::9984
Shape ECG <lead>, ST segment after J-point Heart CVS			ST segment shape immediately after J-point. SHAPE_ST can have the following enumerated values: concave_up, linear, concave_down, and unknown.	MDC_ECG_SHAPE_ST	2::34816
Shape ECG <lead>, ST segment after ST-T inflection Heart CVS			Second ST-T segment shape (after ST-T inflection point). SHAPE_ST_T can have the following enumerated values: concave_up, linear, concave_down, and unknown.	MDC_ECG_SHAPE_ST_T	2::35072
Duration ECG <lead>, VentricularActivation Heart CVS	Ventricular Activation Time	VAT	Ventricular activation time	MDC_ECG_TIME_PD_VEN_T_ACTIV	2::11008
ElectricalPotential ECG <lead> Heart CVS	ECG <Lead code>	ECG- <lead>	ECG as recorded according to <lead> in specified position (time series)	MDC_ECG_ELEC_POTL	2::256
ElectricalPotential ECG <lead>, J Heart CVS		ST-J	Amplitude at the end of QRS complex (junctional point or J point) of ECG in specified <lead>	MDC_ECG_AMPL_J	2::1024
ElectricalPotential ECG <lead>, J20 Heart CVS		ST-J20	Amplitude at 20 ms after the end of QRS complex of ECG in specified <lead>	MDC_ECG_ELEC_POTL_S_T_20	2::14848

Table A.7.1.6.2—Nomenclature and codes for ECG measurements with lead origin (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part:Code
ElectricalPotential ECG <lead>, J40 Heart CVS		ST-J40	Amplitude at 40 ms after the end of QRS complex of ECG in specified <lead>	MDC_ECG_ELEC_POTL_S_T_40	2::15104
ElectricalPotential ECG <lead>, J60 Heart CVS		ST-J60	Amplitude at 60 ms after the end of QRS complex of ECG in specified <lead>	MDC_ECG_ELEC_POTL_S_T_60	2::14336
ElectricalPotential ECG <lead>, J80 Heart CVS		ST-J80	Amplitude at 80 ms after the end of QRS complex of ECG in specified <lead>	MDC_ECG_ELEC_POTL_S_T_80	2::14592
ElectricalPotential ECG <lead>, P, FirstExtremum Heart CVS	Maximum P wave amplitude	Pmax	Amplitude level of first extremum of the P wave of ECG in specified <lead> (mostly maximum of P, depends on morphology)	MDC_ECG_AMPL_P_MAX	2::1280
ElectricalPotential ECG <lead>, P, SecondExtremum Heart CVS	Minimum P wave amplitude	Pmin	Amplitude level of the second extremum of the P wave of ECG in specified <lead> (often minimum of P, depends on morphology)	MDC_ECG_AMPL_P_MIN	2::1536
ElectricalPotential ECG <lead>, P, ThirdExtremum Heart CVS		P3	Amplitude level of the third extremum of the P wave of ECG in specified <lead>	MDC_ECG_AMPL_P3	2::3072
ElectricalPotential ECG <lead>, Q Heart CVS	Q wave amplitude		Amplitude of the Q wave of ECG in specified <lead>	MDC_ECG_AMPL_Q	2::1792
ElectricalPotential ECG <lead>, R, Maximum Heart CVS		Rmax	Maximum amplitude of R wave of ECG in specified <lead>	MDC_ECG_AMPL_R	2::2048
ElectricalPotential ECG <lead>, R1 Heart CVS	R1 wave amplitude		Amplitude of the R1 wave of ECG in specified <lead>	MDC_ECG_ELEC_POTL_R_1	2::12800
ElectricalPotential ECG <lead>, R2 Heart CVS	R2 wave amplitude		Amplitude of the R2 wave of ECG in specified <lead>	MDC_ECG_ELEC_POTL_R_2	2::13056
ElectricalPotential ECG <lead>, R3 Heart CVS	R3 wave amplitude		Amplitude of the R3 wave of ECG in specified <lead>	MDC_ECG_ELEC_POTL_R_3	2::13312
ElectricalPotential ECG <lead>, S, Maximum Heart CVS		Smax	Maximum amplitude of S wave of ECG in specified <lead>	MDC_ECG_AMPL_S	2::2304
ElectricalPotential ECG <lead>, S1 Heart CVS	S1 wave amplitude		Amplitude of the S1 wave of ECG in specified <lead>	MDC_ECG_ELEC_POTL_S_1	2::13568
ElectricalPotential ECG <lead>, S2 Heart CVS	S2 wave amplitude		Amplitude of the S2 wave of ECG in specified <lead>	MDC_ECG_ELEC_POTL_S_2	2::13824
ElectricalPotential ECG <lead>, S3 Heart CVS	S3 wave amplitude		Amplitude of the S3 wave of ECG in specified <lead>	MDC_ECG_ELEC_POTL_S_3	2::14080
ElectricalPotential ECG <lead>, T, Maximum Heart CVS	Positive T wave amplitude	Tmax	Amplitude of the T positive wave of ECG in specified <lead>	MDC_ECG_AMPL_T_MAX	2::2560
ElectricalPotential ECG <lead>, T, Minimum Heart CVS	Negative T wave amplitude	Tmin	Amplitude of the T negative wave of ECG in specified <lead>	MDC_ECG_AMPL_T_MIN	2::2816

Table A.7.1.6.2—Nomenclature and codes for ECG measurements with lead origin (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ElectricalPotential ECG <lead>, ST Heart CVS	STTx Amplitude	ST-Jxx	Amplitude of the ST segment at xx ms after the end of QRS complex of ECG in specified <lead>. The time point xx is defined globally by item with code MDC_ECG_TIME_ST_Jxx (2::16304).	MDC_ECG_AMPL_ST	2::768
Integral ECG <lead>, P Heart CVS	P wave integral	Pintegral	Integral of the P wave of ECG in specified <lead> (mVolt x millisecond)	MDC_ECG_INTEGRAL_P	2::6912
Integral ECG <lead>, P, Area Heart CVS	P wave area	Parea	Area of the P wave of ECG in specified <lead> (mVolt x millisecond) by integrating absolute values.	MDC_ECG_AREA_P	2::3840
Integral ECG <lead>, Q Heart CVS	Q wave integral	Qintegral	Integral of the Q wave of ECG in specified <lead> (mVolt x millisecond)	MDC_ECG_INTEGRAL_Q	2::7424
Integral ECG <lead>, Q, Area Heart CVS	Q wave area	Qarea	Area of the Q wave of ECG in specified <lead> (mVolt x millisecond) by integrating absolute values.	MDC_ECG_AREA_Q	2::3328
Integral ECG <lead>, QRS Heart CVS	QRS integral	QRSintegral	Integral of the QRS complex of ECG in specified <lead> (mVolt x millisecond)	MDC_ECG_INTEGRAL_QRS	2::8704
Integral ECG <lead>, QRS, Area Heart CVS	QRS area	QRSarea	Area of the QRS complex of ECG in specified <lead> (mVolt x millisecond) by integrating absolute values.	MDC_ECG_AREA_QRS	2::4096
Integral ECG <lead>, ST Heart CVS	ST-T integral	ST-Tintegral	Integral of the ST-T segment computed between J point and the beginning of the T wave of ECG in specified <lead> (mVolt x millisecond)	MDC_ECG_INTEGRAL_ST	2::9216
Integral ECG <lead>, ST, Area Heart CVS	ST-T area	ST-Tarea	Area of the ST-T segment computed between J point and the beginning of the T wave of ECG in specified <lead> (mVolt x millisecond) by integrating absolute values.	MDC_ECG_AREA_ST	2::4352
Integral ECG <lead>, T Heart CVS	T wave integral	Tintegral	Integral of the T wave of ECG in specified <lead> (mVolt x millisecond)	MDC_ECG_INTEGRAL_T	2::8960
Integral ECG <lead>, T, Area Heart CVS	T wave area	Tarea	Area of the T wave of ECG in specified <lead> (mVolt x millisecond) by integrating absolute values.	MDC_ECG_AREA_T	2::3584
Slope ECG <lead>, QRS_offset + 20ms to QRS_offset + 60ms Heart CVS			Slope of ST-segment between QRS offset plus 20 ms and QRS offset plus 60 ms of ECG in specified <lead>	MDC_ECG_SLOPE_ST	2::5376

A.7.1.7 Deprecated terms for ECG measurements

Certain terms for ECG measurements have been deprecated. These are listed in Table A.7.1.7.1.

Table A.7.1.7.1—Deprecated terms for ECG measurements

Systematic name	Common term	Acronym	Description/Definition/Use	RefId	Part::Code
Rate Rhythm, Beat ECG, Heart CVS			The RefId is deprecated as incorrect Deprecated as synonym; use MDC_ECG_HEART_RATE (16770)	MDC_ECG_POINT_J MDC_ECG_CARD_BEAT_R ATE	2::1024 2::16770

A.7.1.8 Deprecated RefIds for ECG measurements defined in IEEE Std 11073-10102

Certain RefIds for ECG measurements that were defined in IEEE Std 11073-10102 have been deprecated. The global RefId has been amended by adding the suffix _GL to differentiate from the per-lead term. These are listed in Table A.7.1.8.1.

Table A.7.1.8.1—Deprecated RefIds for ECG measurements defined in IEEE11073-10102

Systematic name	Common term	Acronym	Description/Definition/Use	RefId	Part::Code
Duration ECG, P Heart CVS	P duration		Use MDC_ECG_TIME_PD_P_GL (16184)	MDC_ECG_TIME_PD_P	2::16184
Duration ECG, PP Heart CVS	P-P interval	PP	Use MDC_ECG_TIME_PD_PP_GL (16140)	MDC_ECG_TIME_PD_PP	2::16140
Duration ECG, QRS Heart CVS	QRS duration		Use MDC_ECG_TIME_PD_QRS_GL (16156)	MDC_ECG_TIME_PD_QRS	2::16156
Duration ECG, QT Heart CVS	Q-T interval	QT	Use MDC_ECG_TIME_PD_QT_GL (16160)	MDC_ECG_TIME_PD_QT	2::16160
Duration ECG, QTc, NOS Heart CVS	Q-T interval		Use MDC_ECG_TIME_PD_QTc_NOS_GL (15876)	MDC_ECG_TIME_PD_QTc	2::15876
Duration ECG, RR Heart CVS	R-R interval	RR	Use MDC_ECG_TIME_PD_RR_GL (16168)	MDC_ECG_TIME_PD_RR	2::16168
Duration ECG, PQ Heart CVS	P-Q interval, P-R interval	PQint, PRint	Use MDC_ECG_TIME_PD_PQ_GL (16144)	MDC_ECG_TIME_PD_PQ	2::16144
Duration ECG, QTc Heart CVS		QTc	Use MDC_ECG_TIME_PD_QT_CORR_GL (16164)	MDC_ECG_TIME_PD_QTc	2::16164
Duration ECG, PQSegment Heart CVS	P-Q segment	PQseg	Use MDC_ECG_TIME_PD_PQ_SEG_GL (16148)	MDC_ECG_TIME_PD_PQ_SEG	2::16148
Duration ECG, PR Heart CVS		PRint	Use MDC_ECG_TIME_PD_PR_INT_GL (15872)	MDC_ECG_TIME_PD_PR	2::15872
Duration ECG {lead}, QTc Heart CVS	QTc		Use MDC_ECG_TIME_PD_QTc_NOS (33792)	MDC_ECG_TIME_PD_QTc	2::33792
Duration ECG, QTU Heart CVS			Use MDC_ECG_TIME_PD_QTU_GL (16004)	MDC_ECG_TIME_PD_QTU	2::16004

A.7.2 Nomenclature for ECG enumerations

A.7.2.1 Introduction

Table A.7.2.6.1 holds systematic names concerning ECG diagnostics, derived from ECG signals by an ECG machine, an intelligent heart rate monitor, or a physician, who marks his/her diagnostics during visual inspection of the signal. These diagnostics are based on specific patterns observed in the physiologic signal.

A.7.2.2 Base concept

In this special case, only one descriptor is applicable:

- **Pattern** (the pattern recognized in a measurement)

A.7.2.3 First set of differentiating criteria

The second field of the systematic name refers to the measurement features.

A.7.2.3.1 Semantic link "**concerns:**"

Applicable descriptors are as follows:

- **Extrasystoles**
- **Rhythm**

A.7.2.3.2 Semantic link "**has origin:**"

Applicable descriptors are as follows:

- **Atrial**
- **IntraVentricular**
- **Junctional**
- **Sinus**
- **SupraVentricular**
- **Unknown**
- **Ventricular**

A.7.2.3.3 Semantic link "**has diagnostic type:**"

Applicable descriptors for the type of an ECG diagnosis are as follows:

- **Arrhythmia**
- **Asystoly**
- **AV_Block**
- **Bigeminus**
- **Bradycardia**
- **BundleBranchBlock**
- **ConductionDefect**
- **Contraction**

- Fibrillation
- Flutter
- Hypertrophy
- Infarct
- InfarctHypertrophy
- LeftAnteriorHemiBlock
- P_dextro_Atriale
- P_sinistro_Atriale
- RepolarizationDisturbance
- Tachycardia
- TrifascularBlock
- Trigeminus
- WPW

A.7.2.3.4 Semantic link "*has direction:*"

Applicable descriptors are as follows:

- Anterior
- Inferior
- Lateral
- Left
- Right

A.7.2.3.5 Semantic link "*has grade:*"

Applicable descriptors are as follows:

- 2:1
- 3:1
- 4:1
- Complete
- Frequent
- Grade1
- Grade2
- Grade3
- Incomplete
- Paroxysmal
- Possibly
- Probably
- Regular
- Run

A.7.2.3.6 Semantic link "*has specification*:"

Applicable descriptors are as follows:

- Absolute
- Escape
- Intermittent
- JunctionalEscape
- MIX
- M_Form
- Multiformed
- Normal
- Pathological
- PQ<100ms
- Premature
- R-on-T
- Respiratory
- Type_A
- Type_B
- WithCompensatoryPause

A.7.2.4 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement. Applicable descriptors are as follows:

- ECG (the physiologic signal)
- Heart (the organ)

A.7.2.5 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organic system for which the term is relevant.

A.7.2.5.1 Semantic link "*pertains to*:"

The following descriptor is used:

- CVS

A.7.2.6 Code table

See Table A.7.2.6.1 for the nomenclature and codes for ECG enumerations.

Table A.7.2.6.1—Nomenclature and codes for ECG enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern Artifact ECG, Heart CVS	Artifact		Artifact	MDC_ECG_ARTIFACT	2::16488
Pattern Dying ECG, Heart CVS			Dying heart	MDC_ECG_HEART_DYING	2::16792
Pattern Arrhythmia ECG, Heart CVS			Irregular rhythm	MDC_ECG_ARRHY	2::17424
Pattern Arrhythmia, Absolute ECG, Heart CVS			Goes always with atrial rhythm	MDC_ECG_ARRHY_ABS	2::17448
Pattern Arrhythmia, PQ<100ms ECG, Heart CVS			Irregular atrial escape rhythm	MDC_ECG_ARRHY_PQ_100	2::17432
Pattern Arrhythmia, Respiratory ECG, Heart CVS		SARresp	Sinus arrhythmia, respiratory	MDC_ECG_RESP_ARRHY	2::17456
Pattern Arrhythmia, Sinus ECG, Heart CVS		SAR	Sinus rhythm	MDC_ECG_SINUS_ARRHY	2::17440
Pattern Atrial, ConductionDefect ECG, Heart CVS			Atrial conduction defect	MDC_ECG_ATR_CONDUCT_DEFECT	2::17240
Pattern Bigeminus, Atrial ECG, Heart CVS			Atrial Bigeminus	MDC_ECG_ATR_BIGEM	2::17504
Pattern Bigeminus ECG, Heart CVS			Bigeminus	MDC_ECG_BIGEM	2::16480
Pattern Bigeminus, Intermittent ECG, Heart CVS			Intermittent Bigeminus	MDC_ECG_BIGEM_INTERMIT	2::17496
Pattern Bigeminus, Intermittent, Atrial ECG, Heart CVS			Intermittent Atrial Bigeminus	MDC_ECG_ATR_BIGEM_INTERMIT	2::17512
Pattern HeartBlock ECG, Heart CVS			Heart block	MDC_ECG_HEART_BLK	2::16800
Pattern HeartBlock, Complete ECG, Heart CVS			Complete heart block	MDC_ECG_HEART_BLK_COMP	2::16808
Pattern BundleBranchBlock ECG, Heart CVS	BBB	BBB	Bundle branch block	MDC_ECG_BB_BLK	2::16760
Pattern BundleBranchBlock, Intermittent ECG, Heart CVS	Intermittent BBB	IBBB	Intermittent bundle branch block	MDC_ECG_BB_RHY_INTE_RMIT	2::16417
Pattern BundleBranchBlock, Left ECG, Heart CVS		LBBB	Left bundle branch block	MDC_ECG_LBB_BLK	2::16848
Pattern BundleBranchBlock, Left, Complete ECG, Heart CVS		LBBB	Left bundle branch block	MDC_ECG_LBB_BLK_CO_MP	2::17256
Pattern BundleBranchBlock, Left, Incomplete ECG, Heart CVS		ILBBB	Incomplete bundle branch block	MDC_ECG_LBB_BLK_INC_OMP	2::17264

Table A.7.2.6.1—Nomenclature and codes for ECG enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern BundleBranchBlock, Right ECG, Heart CVS		RBBB	Right bundle branch block	MDC_ECG_RBB_BLK	2::16872
Pattern BundleBranchBlock, Right, Complete ECG, Heart CVS		RBBB	Right bundle branch block	MDC_ECG_RBB_BLK_CO_MP	2::17272
Pattern BundleBranchBlock, Right, Incomplete ECG, Heart CVS		IRBBB	Incomplete right bundle branch block	MDC_ECG_RBB_BLK_INC_OMP	2::17280
Pattern LeftAnteriorFascicularBlock ECG, Heart CVS		LAFB	Left Anterior Fascicular Block	MDC_ECG_LA_FASC_BLK	2::16840
Pattern LeftPosteriorFascicularBlock ECG, Heart CVS		LPFB	Left Posterior Fascicular Block	MDC_ECG_LP_FASC_BLK	2::16856
Pattern Escape, Atrial, PQ<100ms ECG, Heart CVS			Atrial Escape PQ<100ms	MDC_ECG_ATR_PQ_PQ_100	2::17416
Pattern Extrasystoles, Contraction, Atrial, Premature ECG, Heart CVS		PAC	Premature atrial contractions	MDC_ECG_ATR_P_C	2::16664
Pattern Contraction, Premature ECG, Heart CVS		PC	Premature contractions	MDC_ECG_P_C	2::16544
Pattern Extrasystoles, Contraction, Supraventricular, Premature ECG, Heart CVS		SPVC	SPVC	MDC_ECG_SV_P_C	2::16928
Pattern Extrasystoles, Contraction, Supraventricular, Premature, Frequent ECG, Heart CVS		FSPVC	Frequent SPVCs	MDC_ECG_SV_P_C_FRE_Q	2::17136
Pattern Extrasystoles, Contraction, Supraventricular, Premature, Run ECG, Heart CVS		RUN S	Several consecutive supraventricular extrasystoles	MDC_ECG_SV_P_C_RUN	2::17032
Pattern Extrasystoles, Contraction, Supraventricular ECG, Heart CVS		SV	SV beat	MDC_ECG_SV_BEAT	2::16904
Pattern, Annotation Extrasystoles, Contraction, Supraventricular ECG, Heart CVS			SV beat annotation	MDC_ECG_SV_BEAT_AN_NOT	2::16911
Pattern Rhythm, Supraventricular ECG, Heart CVS		SV	Supraventricular rhythm	MDC_ECG_SV_RHY	2::16405
Pattern Rhythm, Supraventricular, Tachycardia ECG, Heart CVS		SVT	Supraventricular tachycardia	MDC_ECG_SV_TACHY	2::16936
Pattern Rhythm, Supraventricular, Tachycardia ECG, Heart CVS		SVT	Supraventricular tachycardia	MDC_ECG_SV_TACHY_RHY	2::16406

Table A.7.2.6.1—Nomenclature and codes for ECG enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern Rhythm, Tachycardia, Paroxysmal, Supraventricular, ECG, Heart CVS		PSVT	Paroxysmal supraventricular tachycardia	MDC_ECG_SV_TACHY_P_AROX	2::17184
Pattern Extrasystoles, Contraction, Supraventricular, Bradycardia ECG, Heart CVS			SV bradycardia	MDC_ECG_SV_BRADY	2::16912
Pattern Extrasystoles, Contraction, Supraventricular, Bradycardia ECG, Heart CVS			SV bradycardia rhythm	MDC_ECG_SV_BRADY_RHY	2::16413
Pattern Extrasystoles, Contraction, Supraventricular, Ectopic ECG, Heart CVS			SV ectopic	MDC_ECG_SV_ECT	2::16920
Pattern Extrasystoles, Contraction, Ventricular, Premature ECG, Heart CVS		PVC	PVC	MDC_ECG_V_P_C	2::16992
Pattern Extrasystoles, Contraction, Ventricular, Premature, Frequent ECG, Heart CVS		FPVC	Frequent PVCs	MDC_ECG_V_P_C_FREQ	2::17000
Pattern Extrasystoles, Contraction, Ventricular, Premature, Multiformed ECG, Heart CVS		MFPVC	Multiformed PVCs (polyformed)	MDC_ECG_V_P_C_MULTIFOCAL	2::17656
Pattern Extrasystoles, Contraction, Ventricular, Premature, R-on-T ECG, Heart CVS		RTPVC	PVC R-on-T	MDC_ECG_V_P_C_RonT	2::17056
Pattern Extrasystoles, Contraction, Ventricular, Premature, Interpolated ECG, Heart CVS		PVC interpolated	PVC interpolated	MDC_ECG_V_P_C_INTERP	2::17008
Pattern Extrasystoles, Contraction, Ventricular, Premature, Pair ECG, Heart CVS		PVC pair	PVC pair	MDC_ECG_V_P_C_PAIR	2::17024
Pattern Extrasystoles, Contraction, Ventricular, Premature, Triplets ECG, Heart CVS		PVC triplets	PVC triplets	MDC_ECG_V_P_C_TRIP	2::17048
Pattern Extrasystoles, Contraction, Ventricular, Premature, Rhythm ECG, Heart CVS		RUN V	Several consecutive premature ventricular contractions	MDC_ECG_V_P_C_RUN_RHY	2::16415
Pattern Extrasystoles, Contraction, Ventricular, Premature, Run ECG, Heart CVS		RUN V	Several consecutive premature ventricular contractions	MDC_ECG_V_P_C_RUN	2::17040

Table A.7.2.6.1—Nomenclature and codes for ECG enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern Extrasystoles, Contraction, Ventricular, Premature, Q ECG, Heart CVS		PVC Q	PVC Q run	MDC_ECG_V_P_C_Q_RU N	2::17128
Pattern Extrasystoles, Ventricular, With Compensatory Pause ECG, Heart CVS			Ventricular Extrasystoles With Compensatory Pause	MDC_ECG_VENT_EXTRA SYST_W_PAUSE	2::17536
Pattern Extrasystoles, Junctional Escape ECG, Heart CVS		JEB	Junctional escape beats	MDC_ECG_JUNC_ESC_B EATS	2::16816
Pattern Extrasystoles, Ventricular ECG, Heart CVS			Ventricular premature beat	MDC_ECG_VENT_BEAT	2::17688
Pattern, Annotation Extrasystoles, Ventricular ECG, Heart CVS			Ventricular premature beat annotation	MDC_ECG_VENT_BEAT_ ANNOT	2::17695
Pattern Extrasystoles, Ventricular, Bigeminy ECG, Heart CVS	VENT BIGEMINY		Alternate normal beats and ventricular premature beats	MDC_ECG_V_BIGEM	2::16952
Pattern Extrasystoles, Ventricular, Bigeminy ECG, Heart CVS	VENT BIGEMINY		Alternate normal beats and ventricular premature beats	MDC_ECG_V_BIGEM_RH Y	2::16407
Pattern Extrasystoles, Ventricular, Trigeminy ECG, Heart CVS	VENT TRIGEMINY		Alternate normal beats and ventricular premature beats	MDC_ECG_V_TRIGEM	2::17120
Pattern Extrasystoles, Ventricular, Trigeminy, Rhythm ECG, Heart CVS	VENT TRIGEMINY		Alternate normal beats and ventricular premature beats rhythm	MDC_ECG_V_TRIGEM_R HY	2::16412
Pattern Extrasystoles, Ventricular, Quadrigeminy ECG, Heart CVS	VENT QUADRIGEMINY		Alternate normal beats and ventricular premature beats	MDC_ECG_V_QUADRIGE M	2::17072
Pattern Ventricular, Standstill ECG, Heart CVS	VENT STANDSTILL		Ventricular standstill	MDC_ECG_V_STAND	2::17080
Pattern Hypertrophy ECG, Heart CVS		HYP	Hypertrophy	MDC_ECG_HYPER	2::17632
Pattern Hypertrophy, Ventricular ECG, Heart CVS		HYP-Vent	Ventricular hypertrophy	MDC_ECG_VENT_HYPER TROPHY	2::17576
Pattern Hypertrophy, Ventricular, Left ECG, Heart CVS		LVH	Left ventricular hypertrophy	MDC_ECG_VENT_HYPER TROPHY_LEFT	2::17568
Pattern Hypertrophy, Ventricular, Right ECG, Heart CVS		RVH	Right ventricular hypertrophy	MDC_ECG_VENT_HYPER TROPHY_RIGHT	2::17560
Pattern Infarct ECG, Heart CVS		INF	Infarction	MDC_ECG_INFARCT	2::17640
Pattern Infarct, Anterior ECG, Heart CVS		AMI	Anterior infarction	MDC_ECG_INFARCT_ANT	2::17584

Table A.7.2.6.1—Nomenclature and codes for ECG enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern Infarct, Inferior ECG, Heart CVS		IMI	Inferior infarction	MDC_ECG_INFARCT_INT	2::17592
Pattern Infarct, Lateral ECG, Heart CVS		LMI	Lateral infarction	MDC_ECG_INFARCT_LAT	2::17648
Pattern Infarct, MIX ECG, Heart CVS		INFMIX	Mixed infarction	MDC_ECG_INFARCT_MIX	2::17600
Pattern InfarctHypertrophy ECG, Heart CVS		INF/HYP	Infarction and hypertrophy	MDC_ECG_INFARCT_HYP ER	2::17624
Pattern IntraVentricular, ConductionDefect ECG, Heart CVS		IVCD	Intraventricular conduction defect	MDC_ECG_INTRA_VENT_ CONDUCT_DEFECT	2::17248
Pattern LeftAnteriorHemiBlock ECG, Heart CVS		LAFB	Left Anterior Hemi Block	MDC_ECG_BLK_ANT_L_H EMI	2::17296
Pattern Normal ECG, Heart CVS		NOR	Normal	MDC_ECG_NORMAL	2::17552
Pattern, Annotation Normal ECG, Heart CVS		NOR	Normal	MDC_ECG_NORMAL_ANN OT	2::17559
Pattern P_dextro_Atriale ECG, Heart CVS		RAE	Right atrial enlargement	MDC_ECG_P_DEXT_ATR	2::17232
Pattern P_sinistro_Atriale ECG, Heart CVS		LAE	Left atrial enlargement	MDC_ECG_P_SINIS_ATR	2::17224
Pattern Pathological ECG, Heart CVS		ABNOR	Pathological abnormality	MDC_ECG_PATHOL	2::17608
Pattern Regular ECG, Heart CVS			$\Delta RR < 10\%$ of RR mean	MDC_ECG_REG	2::17392
Pattern RepolarizationDisturbance ECG, Heart CVS			Repolarization abnormalities	MDC_ECG_REPOLARIZ_D ISTURB	2::17616
Pattern Rhythm, Tachycardia ECG, Heart CVS		TACH	Tachycardia	MDC_ECG_TACHY	2::16616
Pattern Rhythm, Tachycardia, Extreme ECG, Heart CVS		TACH	Tachycardia extreme	MDC_ECG_TACHY_EXTR EME	2::16624
Pattern Rhythm, Tachycardia, Unspecified ECG, Heart CVS		TACH	Tachycardia unspecified	MDC_ECG_TACHY_UNSP EC	2::16632
Pattern Rhythm, Asystoly ECG, Heart CVS	Asystoly		No QRS-complex found in predefined time period	MDC_ECG_ASYSTOLE	2::16456
Pattern Rhythm, Asystoly ECG, Heart CVS	Asystoly		No QRS-complex found in predefined time period	MDC_ECG_ASY_RHY	2::16387
Pattern Rhythm, Atrial, Tachycardia ECG, Heart CVS	ATACH		Atrial tachycardia	MDC_ECG_ATR_TACHY	2::16688

Table A.7.2.6.1—Nomenclature and codes for ECG enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern Rhythm, Atrial, Tachycardia, Multifocal ECG, Heart CVS	ATACH		Atrial tachycardia multifocal	MDC_ECG_ATR_TACHY_MULTIFOCAL	2::16696
Pattern Rhythm, Atrial, Tachycardia, Paroxysmal ECG, Heart CVS	ATACH		Atrial tachycardia paroxysmal	MDC_ECG_ATR_TACHY_PAROX	2::16704
Pattern Rhythm, Atrial, Standstill ECG, Heart CVS	ATACH		Atrial standstill	MDC_ECG_ATR_STAND	2::16680
Pattern Rhythm, AV Dissociating ECG, Heart CVS			AV dissociating	MDC_ECG_AV_DISSOC	2::16712
Pattern Rhythm, AV Block, 2:1 ECG, Heart CVS	2:1BLK		2:1 AV block	MDC_ECG_AV_HEART_B_LK_DEG_2_I	2::16744
Pattern Rhythm, AV Block, 2:1:1 ECG, Heart CVS	2:1:1BLK		2:1:1 AV block	MDC_ECG_AV_HEART_B_LK_DEG_2_II	2::16752
Pattern Rhythm, AV Block, 3:1 ECG, Heart CVS	3:1BLK		3:1 AV block	MDC_ECG_AV_HEART_B_LK_DEG_3_I	2::17200
Pattern Rhythm, AV Block, 4:1 ECG, Heart CVS	4:1BLK		4:1 AV block	MDC_ECG_AV_HEART_B_LK_DEG_4_I	2::17208
Pattern Rhythm, AV Block, Grade1 ECG, Heart CVS	1AVBLK	AV1st	AV block 1°	MDC_ECG_AV_HEART_B_LK_DEG_1	2::16728
Pattern Rhythm, AV Block, Grade2 ECG, Heart CVS	2AVBLK	AV2nd	AV block 2°	MDC_ECG_AV_HEART_B_LK_DEG_2	2::16736
Pattern Rhythm, AV Block, Grade3 ECG, Heart CVS	3AVBLK	AV3rd	AV block 3°	MDC_ECG_AV_HEART_B_LK_DEG_3	2::17192
Pattern Rhythm, Bradycardia ECG, Heart CVS		BRADY	Bradycardia, (heart rate < 50 bpm)	MDC_ECG_BRADY	2::16448
Pattern Rhythm, Bradycardia, Extreme ECG, Heart CVS		BRADY EXTREME	Bradycardia, (heart rate < 50 bpm) extreme	MDC_ECG_BRADY_EXTR_EME	2::16496
Pattern Rhythm, Bradycardia, Sustained ECG, Heart CVS		BRADY SUSTAINED	Bradycardia, (heart rate < 50 bpm) sustained	MDC_ECG_BRADY_SUST	2::16504
Pattern Rhythm, Bradycardia, Sinus ECG, Heart CVS		SBRAD	Sinus bradycardia, (regular heart rate, sinus rhythm < 50 bpm)	MDC_ECG_SINUS_BRAD_Y	2::16888
Pattern Rhythm, Bradycardia, Ventricular ECG, Heart CVS		VBRAD	Ventricular bradycardia, (regular heart rate, ventricular rhythm < 50 bpm)	MDC_ECG_V_BRADY_RH_Y	2::16419
Pattern Rhythm, Ectopic Heart, ECG CVS			Ectopic rhythm	MDC_ECG_ECT	2::16520

Table A.7.2.6.1—Nomenclature and codes for ECG enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern Rhythm, Ectopic, Absent Heart, ECG CVS			Ectopic rhythm absent	MDC_ECG_ECT_ABSENT	2::17160
Pattern Beat, Ectopic, Absent Heart, ECG CVS			Ectopic beat absent	MDC_ECG_NO_ECT_BEAT	2::16536
Pattern Rhythm, Fibrillation ECG, Heart CVS		FIB	Fibrillation	MDC_ECG_FIB	2::16528
Pattern Rhythm, Fibrillation, Atrial ECG, Heart CVS		AFIB	Atrial fibrillation	MDC_ECG_ATR_FIB	2::16648
Pattern Rhythm, Fibrillation, Ventricular ECG, Heart CVS		VFIB	Ventricular fibrillation	MDC_ECG_V_FIB	2::16960
Pattern Rhythm, Fibrillation, Ventricular ECG, Heart CVS		VFIB	Ventricular fibrillation	MDC_ECG_V_FIB_RHY	2::16414
Pattern Rhythm, Fibrillation, Tachycardia, Ventricular ECG, Heart CVS		VFIB	Ventricular fibrillation	MDC_ECG_V_FIB_TACHY	2::16968
Pattern Rhythm, Fibrillation, Tachycardia, Ventricular ECG, Heart CVS		VFIB	Ventricular fibrillation	MDC_ECG_V_FIB_TACHY_RHY	2::16416
Pattern Rhythm, Flutter, Ventricular ECG, Heart CVS		VFLT	Ventricular flutter	MDC_ECG_V_FLUT	2::16976
Pattern Rhythm, Flutter, Atrial ECG, Heart CVS		AFLT	Atrial flutter	MDC_ECG_ATR_FLUT	2::16656
Pattern Rhythm, JunctionalEscape ECG, Heart CVS		JESCR	Junctional escape rhythm	MDC_ECG_JUNC_ESC_RHY	2::16418
Pattern Rhythm, JunctionalEscape ECG, Heart CVS		JESCR	Junctional escape rhythm	MDC_ECG_JUNC_RHY	2::16391
Pattern Rhythm, JunctionalEscape, Accelerating ECG, Heart CVS		JESCR	Junctional escape rhythm accelerating	MDC_ECG_JUNC_RHY_A_CCEL	2::16392
Pattern Rhythm, Sinus ECG, Heart CVS		SR	Sinus rhythm	MDC_ECG_SINUS_RHY	2::16402
Pattern Rhythm, Sinus, Bradycardia ECG, Heart CVS		SR	Sinus bradycardia	MDC_ECG_SINUS_BRAD_RHY	2::16403
Pattern Rhythm, Sinus, Tachycardia ECG, Heart CVS		SR	Sinus tachycardia	MDC_ECG_SINUS_TACHY_RHY	2::16404
Pattern Rhythm, Tachycardia, Junctional ECG, Heart CVS		JTACH	Junctional tachycardia	MDC_ECG_JUNC_TACHY	2::16824

Table A.7.2.6.1—Nomenclature and codes for ECG enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern Rhythm, Tachycardia, Paroxysmal, Junctional ECG, Heart CVS		JTACH	Junctional paroxysmal tachycardia	MDC_ECG_JUNC_TACHY_PAROX	2::16832
Pattern Rhythm, Tachycardia, Sinus ECG, Heart CVS		STACH	Sinus tachycardia (regular heart rate, sinus rhythm < 100 bpm)	MDC_ECG_SINUS_TACHY	2::16896
Pattern Rhythm, Ventricular ECG, Heart CVS		VR	Ventricular rhythm	MDC_ECG_V_RHY	2::16408
Pattern Rhythm, Ventricular, Accelerated ECG, Heart CVS		VR	Accelerated ventricular rhythm	MDC_ECG_V_RHY_ACCEL	2::16409
Pattern Rhythm, Ventricular, Idiopathic ECG, Heart CVS		VR	Idiopathic ventricular rhythm	MDC_ECG_IDIOV_RHY	2::16389
Pattern Rhythm, Ventricular, IdiopathicAccelerated ECG, Heart CVS		VR	Accelerated idiopathic ventricular rhythm	MDC_ECG_IDIOV_RHY_A_CCEL	2::16390
Pattern Rhythm, Parasystole, Ventricular ECG, Heart CVS			Ventricular parasystole rhythm	MDC_ECG_V_PARASYS	2::16944
Pattern Rhythm, Tachycardia, Ventricular ECG, Heart CVS		VTACH	Ventricular tachycardia	MDC_ECG_V_TACHY	2::17088
Pattern Rhythm, Tachycardia, NonSustained, Ventricular ECG, Heart CVS		VTACH	Ventricular tachycardia, non sustained	MDC_ECG_V_TACHY_NO_N_SUST	2::17096
Pattern Rhythm, Tachycardia, Sustained, Ventricular ECG, Heart CVS		VTACH	Ventricular tachycardia, sustained	MDC_ECG_V_TACHY_SU_ST	2::17104
Pattern Rhythm, Tachycardia, Ventricular ECG, Heart CVS		VTACH	Ventricular tachycardia	MDC_ECG_V_TACHY_RH_Y	2::16410
Pattern Rhythm, Tachycardia, Sustained, Ventricular ECG, Heart CVS		VTACH	Ventricular tachycardia sustained	MDC_ECG_V_TACHY_RH_Y_SUST	2::16411
Pattern Rhythm, Tachycardia, Ventricular,Torsade ECG, Heart CVS		VTACH	Ventricular tachycardia torsade	MDC_ECG_V_TACHY_TO_RSAD	2::17112
Pattern Rhythm, Beat ECG, Heart CVS			Beat	MDC_ECG_CARD_BEAT	2::16768
Pattern Rhythm, Beat ECG, Heart CVS			Beat	MDC_ECG_HEART	2::16768
Pattern Rhythm, Beat, Missed ECG, Heart CVS			Missed beat	MDC_ECG_BEAT_MISSED	2::16472

Table A.7.2.6.1—Nomenclature and codes for ECG enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern, Annotation Rhythm, Beat, Missed ECG, Heart CVS			Missed beat annotation	MDC_ECG_BEAT_MISSED_ANNOT	2::16479
Pattern Rhythm, Beat, Unusual ECG, Heart CVS			Unusual beat	MDC_ECG_BEAT_UNUSUAL	2::17168
Pattern Rhythm, Normal ECG, Heart CVS	Normal rhythm		Normal rhythm	MDC_ECG_RHY	2::16394
Pattern Rhythm, Absent ECG, Heart CVS	Absent rhythm		Absent rhythm	MDC_ECG_RHY_ABSENT	2::16395
Pattern Rhythm, Ectopic ECG, Heart CVS	Ectopic rhythm		Ectopic rhythm	MDC_ECG_RHY_ECT	2::16396
Pattern Rhythm, Irregular ECG, Heart CVS	Irregular rhythm		Irregular rhythm	MDC_ECG_RHY_IRREG	2::16397
Pattern Rhythm, Regular ECG, Heart CVS	Regular rhythm		Regular rhythm	MDC_ECG_RHY_REG	2::16398
Pattern Rhythm, Serious ECG, Heart CVS	Serious rhythm		Serious rhythm	MDC_ECG_RHY_SERIOUS	2::16399
Pattern Rhythm, Unknown ECG, Heart CVS	Unknown rhythm		Unknown rhythm	MDC_ECG_RHY_UNK	2::16400
Pattern Rhythm, Unanalyzable ECG, Heart CVS	Unanalyzable rhythm		Unanalyzable rhythm	MDC_ECG_RHY_UNANALYZEABLE	2::16401
Pattern Rhythm, Non-specific ECG, Heart CVS	Non-specific rhythm		Non-specific rhythm	MDC_ECG_RHY_NOS	2::16447
Pattern TrifascicularBlock ECG, Heart CVS		TFBB	Trifascicular block	MDC_ECG_BLK_TRIFASC	2::17288
Pattern Trigemini ECG, Heart CVS			Trigemini	MDC_ECG_TRIGEM	2::17520
Pattern Trigemini, Intermittent ECG, Heart CVS			Intermittent Trigemini	MDC_ECG_TRIGEM_INTEMIT	2::17528
Pattern, Percentage Trigemini ECG, Heart CVS			Percentage Trigemini	MDC_ECG_TRIGEM_PCT	2::18005
Pattern Quadrigemini ECG, Heart CVS			Quadrigemini	MDC_ECG_QUADRIGEM	2::16608
Pattern WPW, Type A ECG, Heart CVS	WPW_A	WPW_A	Wolf-Parkinson-White Syndrom type A (certain)	MDC_ECG_WPW_A	2::17304
Pattern WPW, Type A, Probably ECG, Heart CVS	WPW_A_probably		Wolf-Parkinson-White Syndrom type A (probably)	MDC_ECG_WPW_A_PROB	2::17312
Pattern WPW, Type A, Possibly ECG, Heart CVS	WPW_A_possibly		Wolf-Parkinson-White Syndrom type A (possibly)	MDC_ECG_WPW_A_POS	2::17320

Table A.7.2.6.1—Nomenclature and codes for ECG enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern WPW, Type_B ECG, Heart CVS	WPW_B	WPW_B	Wolf-Parkinson-White Syndrom type B (certain)	MDC_ECG_WPW_B	2::17328
Pattern WPW, Type_B, Possibly ECG, Heart CVS	WPW_B_possibly		Wolf-Parkinson-White Syndrom type B (possibly)	MDC_ECG_WPW_B_POS_SIB	2::17344
Pattern WPW, Type_B, Probably ECG, Heart CVS	WPW_B_probably		Wolf-Parkinson-White Syndrom type B (probably)	MDC_ECG_WPW_B_PROB	2::17336
Pattern WPW, Type_unknown ECG, Heart CVS	WPW	WPW	Wolf-Parkinson-White Syndrom type unknown (certain)	MDC_ECG_WPW_UNK	2::17352
Pattern WPW, Type_unknown, Possibly ECG, Heart CVS	WPW_possibly		Wolf-Parkinson-White Syndrom type unknown (possibly)	MDC_ECG_WPW_UNK_POSSIB	2::17368
Pattern WPW, Type_unknown, Probably ECG, Heart CVS	WPW_probably		Wolf-Parkinson-White Syndrom type unknown (probably)	MDC_ECG_WPW_UNK_PROB	2::17360
Pattern Pacer, Pacing, Beat Heart, ECG CVS			Paced beat	MDC_ECG_PACED_BEAT	2::16552
Pattern, Annotation Pacer, Pacing, Beat Heart, ECG CVS			Paced beat annotation	MDC_ECG_PACED_BEAT_ANNOT	2::16559
Pattern Pacer, Pacing, Event Heart, ECG CVS			Paced beat event	MDC_ECG_PACING_EVENT	2::16560
Pattern Pacer, Pacing, Captured Heart, ECG CVS			Paced beat captured	MDC_ECG_PACING_CAPTURE	2::16568
Pattern Pacer, Pacing, Not Captured Heart, ECG CVS			Paced beat not captured	MDC_ECG_PACING_NON_CAPTURE	2::16576
Pattern Pacer, Pacing, Not Found Heart, ECG CVS			Paced beat not found	MDC_ECG_PACING_NOT_FOUND	2::16584
Pattern Pacer, Pacing, Run Heart, ECG CVS			Paced beat run	MDC_ECG_PACING_RUN	2::16592
Pattern Pacer, Pacing Heart, ECG CVS			Pacing	MDC_ECG_PACED_RHY	2::16393
Pattern Pacer, Not Pacing Heart, ECG CVS			Not pacing	MDC_ECG_PACER_NOT_PACING	2::16864
Pattern Defibrillator, Idiopathic Paced Beat Heart, ECG CVS			Idiopathic defibrillated beat	MDC_ID_TRIG_DEFIB	2::53256
Pattern Artifact, Pacing ECG, Heart CVS	Pacing artifact		Pacing artifact	MDC_ECG_PACING_ARTIFACT	2::17176
Pattern Pacer, Pacing, Beat, Atrial Heart, ECG CVS			Atrial Paced Beat	MDC_ECG_ATR_PACED_BEAT	2::16464
Pattern Pacer, Pacing, Beat, Atrial, Captured Heart, ECG CVS			Atrial Paced beat captured	MDC_ECG_ATR_PACED_RHY_CAPTURE	2::16388

Table A.7.2.6.1—Nomenclature and codes for ECG enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern Pacer, Pacing, Atrial Heart, ECG CVS			Atrial Pacing	MDC_ECG_ATR_PACING	2::16672
Pattern, Annotation Pacer, Pacing, Atrial Heart, ECG CVS			Atrial Pacing Annotation	MDC_ECG_ATR_PACED_BEAT_ANNOT	2::16471
Pattern Pacer, Pacing, AV Heart, ECG CVS			AV Pacing	MDC_ECG_AV_PACING_SEQ	2::16720
Pattern Pacer, Pacing, Beat, Ventricle Heart, ECG CVS			Ventricle Paced Beat	MDC_ECG_V_PACED_BEAT	2::16984
Pattern, Annotation Pacer, Pacing, Beat, Ventricle Heart, ECG CVS			Ventricle Paced Beat Annotation	MDC_ECG_V_PACED_BEAT_ANNOT	2::16991
Pattern Pacer, Pacing, Ventricle Heart, ECG CVS			Ventricle Pacing	MDC_ECG_V_PACING	2::17064
Pattern Pacer, Pacing, Beat, Dual Heart, ECG CVS			Dual Paced Beat	MDC_ECG_DUAL_PACED_BEAT	2::16512
Pattern, Annotation Pacer, Pacing, Beat, Dual Heart, ECG CVS			Dual Paced Beat Annotation	MDC_ECG_DUAL_PACED_BEAT_ANNOT	2::16519
Position Pacer, Pacing, Beat, Dual Heart, ECG CVS			Dual Pacer Position	MDC_ECG_DUAL_PACER_POSN	2::17672
Position Pacer, Pacing, Beat, Dual Heart, ECG CVS			Dual Pacer Position	MDC_ECG_DUAL_PACER_POSN_ANNOT	2::17679
Status Inoperative Heart, ECG CVS			ECG inoperative	MDC_ECG_INOP	2::17664
Status, Annotation Inoperative Heart, ECG CVS			ECG inoperative	MDC_ECG_INOP_ANNOT	2::17671
Status Paused Heart, ECG CVS			ECG paused	MDC_ECG_PAUSE	2::16600
Status Questionable Heart, ECG CVS			ECG questionable	MDC_ECG_QUESTIONABLE	2::17680
Status, Annotation Questionable Heart, ECG CVS			ECG questionable annotation	MDC_ECG_QUESTIONABLE_ANNOT	2::17687
Status Rhythm, Sinus Heart, ECG CVS			Sinus rhythm	MDC_ECG_STAT_RHY	2::53255
Status Rhythm, Ectopic Heart, ECG CVS			Ectopic rhythm	MDC_ECG_STAT_ECT	2::53254
Status Pattern, Learning Heart, ECG CVS				MDC_ECG_PATT	2::16384

Table A.7.2.6.1—Nomenclature and codes for ECG enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Status Rhythm, Learning Heart, ECG CVS				MDC_ECG_LEARN_RHY	2::16386
Status Learning Heart, ECG CVS				MDC_ECG_LEARN	2::17704
Status, Annotation Learning Heart, ECG CVS				MDC_ECG_LEARN_ANNO T	2::17711

A.7.2.7 Withdrawn terms for ECG enumerations

Certain terms for ECG enumerations have been withdrawn. These are listed in Table A.7.2.7.1.

Table A.7.2.7.1—Withdrawn terms for ECG enumerations

Systematic name	Common term	Acronym	Description/Definition/Use	RefId	Part::Code
Pattern Artifact, Annotation ECG, Heart CVS	Artifact		Withdrawn as clashes with MDC_ECG_BRADY[RCE(0)]2::16448. Use MDC_ECG_ARTIFACT_ANNOT[RCE(7)]2::16495 using the correct base term MDC_ECG_ARTIFACT[RCE(0)]2::16488.	MDC_ECG_ARTIFACT_AN NOT	2::16455

A.7.2.8 Deprecated Terms for ECG enumerations

Certain terms for ECG enumerations have been deprecated. These are listed in Table A.7.2.8.1.

Table A.7.2.8.1—Deprecated terms for ECG enumerations

Systematic name	Common term	Acronym	Description/Definition/Use	RefId	Part::Code
Pattern Extrasystoles, Contraction, Ventricular, Premature, Multiformed ECG, Heart CVS		MFPVC	The term is deprecated; use MDC_ECG_V_P_C_MULTIFOCA (2::17656)	MDC_ECG_MULTIFORM	2::17016
Pattern Extrasystoles, Contraction, Ventricular, Premature, Multiformed ECG, Heart CVS		MFPVC	The term is deprecated; use MDC_ECG_V_P_C_MULTIFOCA (2::17656)	MDC_ECG_V_P_C_MULTIF FOCAL	2::17016

A.7.2.9 Deprecated Reflds for ECG enumerations

Certain Reflds for ECG enumerations have been deprecated. These are listed in Table A.7.2.9.1.

Table A.7.2.9.1—Deprecated Reflds for ECG enumerations

Systematic name	Common term	Acronym	Description/Definition/Use	Refld	Part::Code
Pattern Extrasystoles, Contraction, SupraVentricular, Premature, Frequent ECG, Heart CVS		FSPVC	The Refld is deprecated: use MDC_ECG_SV_P_C_FREQ (2::17136)	MDC_ECG_SV_P_C_FREQ UENT	2::17316

A.7.3 Nomenclature, data dictionary, and codes for haemodynamic monitoring measurements**A.7.3.1 Introduction**

Subclause A.7.3 presents a nomenclature for the systematic names related to haemodynamic measurements.

A.7.3.2 Base concepts

Applicable descriptors are as follows:

- **Duration** (a certain time interval, i.e., the time interval between opening and closing of aortic valve)
- **Gradient**
- **Index** (a mathematical formula with many terms)
- **Pressure** (the pressure of blood in different circulatory compartments and in different time phases with respect to the cardiac cycle)
- **Rate** (the frequency of occurrence of events, i.e., of blood pulses)
- **Resistance** (the resistance to the blood flow in different vascular compartments)
- **Temperature** (the temperature of substances)
- **Volume** (the quantity of blood pumped by the heart)
- **Work** (the activity of the heart in pumping blood)

A.7.3.3 First set of differentiating criteria

Four semantic links are applied for the first set of differentiating criteria. More than one semantic link and one descriptor are possible.

A.7.3.3.1 Semantic link "is computed as:"

Applicable descriptors are as follows:

- **Derivative**
- **Difference(SystemicAndPulmonary)**
- **DividedByPressure**
- **MaxNegative**
- **MaxPositive**
- **Mean**
- **MeanDiastolic**
- **MeanSystolic**
- **Relaxation**

A.7.3.3.2 Semantic link "has method:"

Applicable descriptors are as follows:

- **Continuous**
- **Discontinuous**
- **Invasive**

- **Noninvasive**
- **Plethysmography**
- **Wedge**

A.7.3.3.3 Semantic link "*has time criterion*:"

Applicable descriptors are as follows:

- **BeginDiastolic**
- **Diastolic**
- **DiastolicFilling**
- **EndDiastolic**
- **EndSystolic**
- **OneBeat**
- **PerMinute**
- **Systolic**
- **SystolicEjection**

A.7.3.3.4 Semantic link "*is derived from*:"

Applicable descriptors are as follows:

- **BloodPressure**
- **Pressure**

A.7.3.4 Second set of differentiating criteria

One semantic link is applied for this set of differentiating criteria.

A.7.3.4.1 Semantic link "*concerns*:"

Possible descriptors are as follows:

- **Blood**
- **ConsumedOxygen**
- **Flow**
- **Heart**
- **Injectate**
- **Perfusion**
- **Pulse**
- **Volume**
- **Work**

A.7.3.5 Third set of differentiating criteria

Two semantic links are applied for this set of differentiating criteria. More than one semantic link and one descriptor are possible.

A.7.3.5.1 Semantic link "*pertains to*:"

Possible descriptors are as follows:

- AnteriorDescending
- Aorta
- AorticValve
- Artery
- Atrium
- Blood
- CentralVein
- CircumflexBranch
- ConusArtery
- CoronaryArtery
- Heart
- LeftAtrium
- LeftSide
- LeftVentricle
- MarginalBranch
- LeftCoronaryArtery
- PeripheralFemoralArtery
- PeripheralVenousBranch
- PosteriorDescending
- PulmonaryArtery
- PulmonaryBlood
- PulmonaryCapillary
- RightAtrium
- RightCoronaryArtery
- RightSide
- RightVentricle
- SystemicBlood
- UmbilicalArtery
- UmbilicalVein
- Vein
- Ventricle

A.7.3.5.2 Semantic link "*has context*:"

The descriptor is as follows:

- CVS

A.7.3.6 Code table

See Table A.7.3.6.1 for the nomenclature and codes for haemodynamic monitoring measurements.

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Duration DiastolicFilling Blood AorticValve, LeftVentricle, Heart, CVS	Diastolic filling period	DFP	Period between closing and opening aortic valve	MDC_TIME_PD_VENT_L_A ORT_VALV_DIA_FILL	2::19452
Duration SystolicEjection Blood AorticValve, LeftVentricle, Heart, CVS	Systolic ejection period	SEP	Period between opening and closing aortic valve	MDC_TIME_PD_VENT_L_A ORT_VALV	2::19448
Gradient BloodPressure AorticValve Heart, CVS	Aortic valve pressure gradient	AVPGr	Blood pressure gradient across aortic valve	MDC_GRAD_PRESS_BLD_ AORT	2::19488
Gradient BloodPressure, Mean AorticValve Heart, CVS	Mean aortic valve pressure gradient	AVPGrMe an	Mean blood pressure gradient across aortic valve during SEP	MDC_GRAD_PRESS_BLD_ AORT_MEAN	2::19491
Gradient BloodPressure, Positive AorticValve Heart, CVS	Aortic valve pressure gradient	AVPGr	Blood pressure gradient across aortic valve	MDC_GRAD_PRESS_BLD_ AORT_POS	2::19492
Gradient BloodPressure, MaxPositive AorticValve Heart, CVS	Maximum aortic valve pressure gradient	AVPGrMa x	Peak blood pressure gradient across aortic valve during SEP	MDC_GRAD_PRESS_BLD_ AORT_POS_MAX	2::19493
Gradient BloodPressure MitralValve Heart, CVS	Mitral valve pressure gradient	MVPGr	Blood pressure gradient across mitral valve	MDC_GRAD_PRESS_BLD_ MITRAL	2::19464
Gradient BloodPressure, Positive MitralValve Heart, CVS	Mitral valve pressure gradient	MVPGr	Positive blood pressure gradient across mitral valve	MDC_GRAD_PRESS_BLD_ MITRAL_POS	2::19468
Gradient BloodPressure, MaxPositive MitralValve Heart, CVS	Maximum mitral valve pressure gradient	MVPGrMa x	Peak positive blood pressure gradient across mitral valve during DFP	MDC_GRAD_PRESS_BLD_ MITRAL_POS_MAX	2::19469
Gradient BloodPressure, Mean MitralValve Heart, CVS	Mean mitral valve pressure gradient	MVPGrMe an	Mean blood pressure gradient across mitral valve during DFP	MDC_GRAD_PRESS_BLD_ MITRAL_MEAN	2::19467
Gradient BloodPressure PulmonaryValve Heart, CVS	Pulmonary valve pressure gradient	PVPGr	Blood pressure gradient across pulmonary valve	MDC_GRAD_PRESS_BLD_ PULM	2::19480
Gradient BloodPressure, Positive PulmonaryValve Heart, CVS	Pulmonary valve pressure gradient	PVPGr	Positive blood pressure gradient across pulmonary valve	MDC_GRAD_PRESS_BLD_ PULM_POS	2::19484
Gradient BloodPressure, MaxPositive PulmonaryValve Heart, CVS	Maximum pulmonary valve pressure gradient	PVPGrMa x	Peak positive blood pressure gradient across pulmonary valve	MDC_GRAD_PRESS_BLD_ PULM_POS_MAX	2::19485

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Gradient BloodPressure, Mean PulmonaryValve Heart, CVS	Mean pulmonary valve pressure gradient	PVPGrMean	Mean blood pressure gradient across pulmonary valve	MDC_GRAD_PRESS_BLD_PULM_MEAN	2::19483
Gradient BloodPressure TricuspidValve Heart, CVS	Tricuspid valve pressure gradient	TVPGr	Blood pressure gradient across tricuspid valve	MDC_GRAD_PRESS_BLD_TRICUSP	2::19472
Gradient BloodPressure, Positive TricuspidValve Heart, CVS	Tricuspid valve pressure gradient	TVPGr	Positive blood pressure gradient across tricuspid valve	MDC_GRAD_PRESS_BLD_TRICUSP_POS	2::19476
Gradient BloodPressure, MaxPositive TricuspidValve Heart, CVS	Maximum tricuspid valve pressure gradient	TVPGrMax	Peak positive blood pressure gradient across tricuspid valve	MDC_GRAD_PRESS_BLD_TRICUSP_POS_MAX	2::19477
Gradient BloodPressure, Mean TricuspidValve Heart, CVS	Mean tricuspid valve pressure gradient	TVPGrMean	Mean blood pressure gradient across tricuspid valve	MDC_GRAD_PRESS_BLD_TRICUSP_MEAN	2::19475
Index Work, PerStroke, PerSurfaceArea LeftVentricle, CVS	Left ventricular stroke indexed	LVSWI	Work of left ventricle of the heart in one cardiac cycle and related to body surface area (LVSW/BSA)	MDC_WK_LV_STROKE_IN_DEX	2::18692
Index Work, PerStroke, PerSurfaceArea RightVentricle, CVS	Right Ventricular Stroke Work Index	RVSWI	Work of right ventricle of the heart in one cardiac cycle and related to body surface area (RVSW/BSA)	MDC_WK_RV_STROKE_IN_DEX	2::19572
Index PerMinute Perfusion Blood, CVS	Perfusion index		Tissue perfusion computed as milliliters per minute of blood flow per gram of tissue	MDC_BLD_PERF_INDEX	2::19416
Index PerMinute Volume Blood, LeftVentricle, CVS	Cardiac index	CI	Quantity of blood pumped by the left ventricle into the aorta per minute and divided by the body surface area (CO/BSA)	MDC_OUTPUT_CARD_IND_EX	2::18700
Index Pressure, Derivative, DividedByPressure, MaxPositive LeftVentricle, Heart, CVS	Contractility index	LV_peak_VCE	Contractility index, maximum value of derivative of left ventricular pressure divided by pressure.	MDC_INDEX_PRESS_VEN_T_L_DERIV_POS_MAX_DIV_P	2::19436
Index Pressure, Derivative, MaxNegative LeftVentricle, Heart, CVS		LV_MaxNegative_dP/dt	Maximal negative value of derivative of left ventricular pressure	MDC_INDEX_PRESS_VEN_T_L_DERIV_NEG_MAX	2::19440
Index Pressure, Derivative, MaxPositive LeftVentricle, Heart, CVS		LV_MaxPositive_dP/dt	Maximal positive value of derivative of left ventricular pressure	MDC_INDEX_PRESS_VEN_T_L_DERIV_POS	2::19432

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Index Pressure, Relaxation LeftVentricle, Heart, CVS	Left ventricular relaxation constant	LV_Relaxation_Constant	Mono exponential fit of left ventricular pressure from closing aorta valve until begin diastolic pressure	MDC_INDEX_PRESS_VENT_L_RELAX	2::19444
Pressure Blood Aorta, CVS	Aortic pressure	AP	Pressure of the blood in the aorta	MDC_PRESS_BLD_AORT	2::18956
Pressure Blood Artery, CVS	Arterial pressure	AP	Pressure of the blood in an artery	MDC_PRESS_BLD_ART	2::18960
Pressure Blood Artery, CVS Ambulatory	Arterial pressure	ABP	Pressure of the blood in an artery measured as ambulatory	MDC_PRESS_BLD_ART_ABP	2::18964
Pressure Blood Artery, CVS	Arterial pressure	AP	Pressure of the blood in an artery	MDC_PRESS_BLD_ART_UG	2::18968
Pressure Blood Atrium, CVS	Atrial pressure		Pressure of the blood in an atrium of the heart	MDC_PRESS_BLD_ATR	2::18988
Pressure Blood CentralVein, CVS	Central venous pressure	CVP	Pressure of the blood in the thoracic venae cavae	MDC_PRESS_BLD_VENT_CENT	2::19012
Pressure Blood CircumflexBranch, LeftCoronaryArtery, Heart, CVS	Left circumflex branch coronary arterial pressure		Pressure in the left coronary artery, circumflex branch	MDC_PRESS_BLD_CORO_N_ART_L_CIRC	2::19052
Pressure Blood ConusArtery, CoronaryArtery, Heart, CVS	Right conus artery pressure		Pressure in the coronary artery, conus artery	MDC_PRESS_BLD_CORO_N_ART_CONUS	2::19064
Pressure Blood CVS	Blood pressure	BP	Pressure of the blood	MDC_PRESS_BLD	2::18944
Pressure Blood LeftAtrium, CVS	Left atrial pressure	LAP	Pressure of the blood in the left atrium of the heart	MDC_PRESS_BLD_ATR_LEFT	2::18992
Pressure Blood LeftVentricle, CVS	Left ventricular pressure	LV	Pressure of the blood in the left ventricle of the heart	MDC_PRESS_BLD_VENT_LEFT	2::19028
Pressure Begin Blood LeftVentricle, Heart, CVS	Begin left ventricular pressure		Begin pressure of the blood in the left ventricle of the heart	MDC_PRESS_BLD_VENT_LEFT_BEGIN	2::19072
Pressure Blood MarginalBranch, RightCoronaryArtery, Heart, CVS	Right marginal branch arterial pressure		Pressure in the right coronary artery, marginal branch	MDC_PRESS_BLD_CORO_N_ART_R_MARG	2::19068
Pressure Blood PosteriorDescending, RightCoronaryArtery, Heart, CVS	Right posterior descending branch coronary arterial pressure		Pressure in right coronary artery, posterior descending branch	MDC_PRESS_BLD_CORO_N_ART_R_POST_DESCEND	2::19060
Pressure Blood PulmonaryArtery, CVS	Pulmonary arterial pressure	PAP	Pressure of the blood in the pulmonary artery	MDC_PRESS_BLD_ART_PULM	2::18972
Pressure Blood PulmonaryCapillary, CVS	Pulmonary capillary blood pressure	PCP	Pressure of the blood in the pulmonary capillaries	MDC_PRESS_BLD_PULM_CAP	2::19004

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Blood RightAtrium, CVS	Right atrial pressure	RAP	Pressure of the blood in the right atrium of the heart	MDC_PRESS_BLD_ATR_R_IGHT	2::18996
Pressure Blood RightVentricle, CVS	Right ventricular pressure	RV	Pressure of the blood in the right ventricle of the heart	MDC_PRESS_BLD_VENT_RIGHT	2::19032
Pressure Blood Ventricle, CVS	Ventricular pressure		Pressure of the blood in the ventricle of the heart	MDC_PRESS_BLD_VENT_AUG	2::19036
Pressure Blood RightCoronaryArtery, Heart, CVS	Right coronary arterial pressure		Pressure in the right coronary artery, NOS	MDC_PRESS_BLD_CORO_N_ART_R	2::19056
Pressure Blood UmbilicalArtery, CVS	Umbilical pressure	UP	Pressure of the blood in the umbilical arteries of a fetus	MDC_PRESS_BLD_ART_U_MB	2::18984
Pressure Blood UmbilicalVein, CVS	Umbilical venous blood pressure	UVP	Pressure of the blood in the umbilical veins of a fetus	MDC_PRESS_BLD_VEN_U_MB	2::19016
Pressure Blood Vein, CVS	Venous pressure	VP	Pressure of the blood in body veins	MDC_PRESS_BLD_VEN	2::19008
Pressure Blood Ventricle, CVS	Ventricular pressure		Pressure of the blood in a ventricle of the heart	MDC_PRESS_BLD_VENT	2::19020
Pressure Blood Ventricle, CVS	Ventricular pressure		Pressure of the blood in a ventricle of the heart	MDC_PRESS_BLD_VENT_END	2::19024
Pressure Blood AnteriorDescending, LeftCoronaryArtery, Heart, CVS	Left anterior descending branch coronary arterial pressure		Pressure in the left coronary artery, anterior descending branch	MDC_PRESS_BLD_CORO_N_ART_L_ANT_DESCEND	2::19048
Pressure Blood CoronaryArtery, Heart, CVS	Coronary arterial pressure		Pressure in the coronary artery, NOS	MDC_PRESS_BLD_CORO_N_ART	2::19040
Pressure Blood LeftCoronaryArtery, Heart, CVS	Left coronary arterial pressure		Pressure in the left coronary artery, NOS	MDC_PRESS_BLD_CORO_N_ART_L	2::19044
Pressure BeginDiastolic Blood LeftVentricle, Heart, CVS	Begin-diastolic left ventricular pressure		Begin-diastolic pressure of the blood in the left ventricle of the heart	MDC_PRESS_BLD_VENT_LEFT_BEGIN_DIA	2::19074
Pressure Diastolic Blood Aorta, CVS	Diastolic aortic pressure		Diastolic pressure of the blood in the aorta	MDC_PRESS_BLD_AORT_DIA	2::18958
Pressure Diastolic Blood Artery, CVS	Diastolic arterial pressure		Diastolic pressure of the blood in an artery	MDC_PRESS_BLD_ART_DIA	2::18962
Pressure Diastolic Blood Artery, CVS Ambulatory	Diastolic arterial pressure	ABP	Diastolic pressure of the blood in an artery measured ambulatory	MDC_PRESS_BLD_ART_A_BP_DIA	2::18966
Pressure Diastolic Blood Artery, CVS	Diastolic arterial pressure		Diastolic pressure of the blood in an artery	MDC_PRESS_BLD_ART_A_UG_DIA	2::18970

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Diastolic Blood Central Vein, CVS	Diastolic central venous pressure		Diastolic pressure of the blood in the thoracic venae cavae	MDC_PRESS_BLD_VEN_CENT_DIA	2::19014
Pressure Diastolic Blood Pulmonary Artery, CVS	Diastolic pulmonary arterial pressure		Diastolic pressure of the blood in the pulmonary artery	MDC_PRESS_BLD_ART_PULM_DIA	2::18974
Pressure Diastolic Blood Pulmonary Capillary, CVS	Diastolic pulmonary capillary pressure		Diastolic pressure of the blood in the pulmonary capillaries	MDC_PRESS_BLD_PULM_CAP_DIA	2::19006
Pressure Diastolic Blood Coronary Artery, Heart, CVS	Diastolic coronary arterial pressure		Diastolic pressure in the coronary artery, NOS	MDC_PRESS_BLD_CORO_N_ART_DIA	2::19042
Pressure Diastolic Blood Left Coronary Artery, Heart, CVS	Diastolic left coronary arterial pressure		Diastolic pressure in the left coronary artery, NOS	MDC_PRESS_BLD_CORO_N_ART_L_DIA	2::19046
Pressure Diastolic Blood Anterior Descending, Left Coronary Artery, Heart, CVS	Diastolic left anterior descending branch coronary arterial pressure		Diastolic pressure in the left coronary artery, anterior descending branch	MDC_PRESS_BLD_CORO_N_ART_L_ANT_DESCEND_DIA	2::19050
Pressure Diastolic Blood Circumflex Branch, Left Coronary Artery, Heart, CVS	Diastolic left circumflex branch coronary arterial pressure		Diastolic pressure in the left coronary artery, circumflex branch	MDC_PRESS_BLD_CORO_N_ART_L_CIRC_DIA	2::19054
Pressure Diastolic Blood Left Atrium, CVS	Diastolic left atrial pressure		Diastolic pressure of the blood in the left atrium of the heart	MDC_PRESS_BLD_ATR_L_EFT_DIA	2::18994
Pressure Diastolic Blood Right Atrium, CVS	Diastolic right atrial pressure		Diastolic pressure of the blood in the right atrium of the heart	MDC_PRESS_BLD_ATR_R_IGHT_DIA	2::18998
Pressure Diastolic Blood Ventricle, CVS	Diastolic ventricular pressure		Diastolic pressure of the blood in a ventricle of the heart	MDC_PRESS_BLD_VENT_DIA	2::19022
Pressure Diastolic, End Blood Ventricle, CVS	Diastolic end ventricular pressure		Diastolic end pressure of the blood in a ventricle of the heart	MDC_PRESS_BLD_VENT_DIA_END	2::19026
Pressure Diastolic Blood Left Ventricle, CVS	Diastolic left ventricular pressure		Diastolic pressure of the blood in the left ventricle of the heart	MDC_PRESS_BLD_VENT_LEFT_DIA	2::19030

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Diastolic Blood RightVentricle, CVS	Diastolic right ventricular pressure		Diastolic pressure of the blood in the right ventricle of the heart	MDC_PRESS_BLD_VENT_RIGHT_DIA	2::19034
Pressure Diastolic Blood RightCoronaryArtery, Heart, CVS	Diastolic right coronary arterial pressure		Diastolic pressure in the right coronary artery, NOS	MDC_PRESS_BLD_CORO_N_ART_R_DIA	2::19058
Pressure Diastolic Blood PosteriorDescending, RightCoronaryArtery, Heart, CVS	Diastolic right posterior descending branch coronary arterial pressure		Diastolic pressure in the right coronary artery, posterior descending branch	MDC_PRESS_BLD_CORO_N_ART_R_POST_DESCEND_D_DIA	2::19062
Pressure Diastolic Blood ConusArtery, CoronaryArtery, Heart, CVS	Diastolic right conus artery pressure		Diastolic pressure in the coronary artery, conus artery	MDC_PRESS_BLD_CORO_N_ART_CONUS_DIA	2::19066
Pressure Diastolic Blood MarginalBranch, RightCoronaryArtery, Heart, CVS	Diastolic right marginal branch arterial pressure		Diastolic pressure in the right coronary artery, marginal branch	MDC_PRESS_BLD_CORO_N_ART_R_MARG_DIA	2::19070
Pressure Diastolic Blood UmbilicalArtery, CVS	Diastolic umbilical arterial pressure		Diastolic pressure of the blood in the umbilical arteries of a fetus	MDC_PRESS_BLD_ART_U_MB_DIA	2::18986
Pressure Diastolic Blood UmbilicalVein, CVS	Diastolic umbilical venous pressure		Diastolic pressure of the blood in the umbilical veins of a fetus	MDC_PRESS_BLD_VEN_U_MB_DIA	2::19018
Pressure End Blood Ventricle, CVS	End ventricular pressure		End pressure of the blood in the ventricle of the heart	MDC_PRESS_BLD_VENT_LEFT_END	2::19428
Pressure EndDiastolic Blood LeftVentricle, CVS	End-diastolic left ventricular pressure		End-diastolic pressure of the blood in the left ventricle of the heart	MDC_PRESS_BLD_VENT_LEFT_END_DIA	2::19430
Pressure Mean Blood AnteriorDescending, LeftCoronaryArtery, Heart, CVS	Mean left anterior descending branch coronary arterial pressure		Mean pressure in the left coronary artery anterior descending branch	MDC_PRESS_BLD_CORO_N_ART_L_ANT_DESCEND_MEAN	2::19051
Pressure Mean Blood Aorta, CVS	Mean aortic pressure		Mean pressure of the blood in the aorta	MDC_PRESS_BLD_AORT_MEAN	2::18959
Pressure Mean Blood Artery, CVS	Mean arterial pressure		Mean pressure of the blood in an artery	MDC_PRESS_BLD_ART_MEAN	2::18963
Pressure Mean Blood Artery, CVS Ambulatory	Mean arterial pressure	ABP	Mean pressure of the blood in an artery measured ambulatory	MDC_PRESS_BLD_ART_A_BP_MEAN	2::18967

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Mean Blood Artery, CVS	Mean arterial pressure		Mean pressure of the blood in an artery	MDC_PRESS_BLD_ART_AUG_MEAN	2::18971
Pressure Mean Blood CentralVein, CVS	Mean central venous pressure		Mean pressure of the blood in the thoracic venae cavae	MDC_PRESS_BLD_VEN_CENT_MEAN	2::19015
Pressure Mean Blood CircumflexBranch, LeftCoronaryArtery, Heart, CVS	Mean left circumflex branch coronary arterial pressure		Mean pressure in the left coronary artery, circumflex branch	MDC_PRESS_BLD_CORO_N_ART_L_CIRC_MEAN	2::19055
Pressure Mean Blood ConusArtery, CoronaryArtery, Heart, CVS	Mean right conus artery pressure		Mean pressure in the coronary artery, conus artery	MDC_PRESS_BLD_CORO_N_ART_CONUS_MEAN	2::19067
Pressure Mean Blood CoronaryArtery, Heart, CVS	Mean coronary arterial pressure		Mean pressure in the coronary artery, NOS	MDC_PRESS_BLD_CORO_N_ART_MEAN	2::19043
Pressure Mean Blood CVS	Mean blood pressure		Pressure of the blood as computed by averaging on one cycle	MDC_PRESS_BLD_MEAN	2::18947
Pressure Mean Blood LeftAtrium, CVS	Mean left atrial pressure		Mean pressure of the blood in the left atrium of the heart	MDC_PRESS_BLD_ATR_L_EFT_MEAN	2::18995
Pressure Mean Blood Ventricle, CVS	Mean ventricular pressure		Mean pressure of the blood in a ventricle of the heart	MDC_PRESS_BLD_VENT_MEAN	2::19023
Pressure Mean Blood Ventricle, CVS	Mean end ventricular pressure		Mean end pressure of the blood in a ventricle of the heart	MDC_PRESS_BLD_VENT_MEAN_END	2::19027
Pressure Mean Blood LeftVentricle, CVS	Mean left ventricular pressure		Mean pressure of the blood in the left ventricle of the heart	MDC_PRESS_BLD_VENT_LEFT_MEAN	2::19031
Pressure Mean Blood LeftCoronaryArtery, Heart, CVS	Mean left coronary arterial pressure		Mean pressure in the left coronary artery, NOS	MDC_PRESS_BLD_CORO_N_ART_L_MEAN	2::19047
Pressure Mean Blood MarginalBranch, RightCoronaryArtery, Heart, CVS	Mean right marginal branch arterial pressure		Mean pressure in the right coronary artery, marginal branch	MDC_PRESS_BLD_CORO_N_ART_R_MARG_MEAN	2::19071
Pressure Mean Blood PulmonaryArtery, CVS	Mean pulmonary arterial pressure		Mean pressure of the blood in the pulmonary artery	MDC_PRESS_BLD_ART_PULM_MEAN	2::18975
Pressure Mean Blood PulmonaryCapillary, CVS	Mean pulmonary capillary pressure		Mean pressure of the blood in the pulmonary capillaries	MDC_PRESS_BLD_PULM_CAP_MEAN	2::19007

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Mean Blood RightAtrium, CVS	Mean right atrial pressure		Mean pressure of the blood in the right atrium of the heart	MDC_PRESS_BLD_ATR_R_IGHT_MEAN	2::18999
Pressure Mean Blood RightVentricle, CVS	Mean right ventricular pressure		Mean pressure of the blood in the right ventricle of the heart	MDC_PRESS_BLD_VENT_RIGHT_MEAN	2::19035
Pressure Mean Blood RightCoronaryArtery, Heart, CVS	Mean right coronary arterial pressure		Mean pressure in the right coronary artery, NOS	MDC_PRESS_BLD_CORO_N_ART_R_MEAN	2::19059
Pressure Mean Blood UmbilicalArtery, CVS	Mean umbilical arterial pressure		Mean pressure of the blood in the umbilical arteries of a fetus	MDC_PRESS_BLD_ART_U_MB_MEAN	2::18987
Pressure Mean Blood UmbilicalVein, CVS	Mean umbilical venous pressure		Mean pressure of the blood in the umbilical veins of a fetus	MDC_PRESS_BLD_VEN_U_MB_MEAN	2::19019
Pressure Mean Blood PosteriorDescending, RightCoronaryArtery, Heart, CVS	Mean right posterior descending branch coronary arterial pressure		Mean pressure in the right coronary artery, posterior descending branch	MDC_PRESS_BLD_CORO_N_ART_R_POST_DESCEND_MEAN	2::19063
Pressure MeanDiastolic Blood LeftVentricle, Heart, CVS	Left ventricle mean-diastolic pressure		Mean pressure in the left ventricle during diastolic phase	MDC_PRESS_BLD_VENT_LEFT_DIA_MEAN	2::19082
Pressure MeanSystolic Blood LeftVentricle, Heart, CVS	Left ventricle mean-systolic pressure		Mean pressure in left ventricle during systolic phase	MDC_PRESS_BLD_VENT_LEFT_SYS_MEAN	2::19077
Pressure Diastolic Blood CVS	Diastolic blood pressure		Pressure of the blood at the diastolic phase	MDC_PRESS_BLD_DIA	2::18946
Pressure Noninvasive Blood CVS	Noninvasive blood pressure		Pressure of the blood, obtained noninvasively (i.e., fingertip) – this refers normally to the measurement of diastolic and systolic together	MDC_PRESS_BLD_NONIN_V	2::18948
Pressure Noninvasive, Diastolic Blood CVS	Noninvasive diastolic blood pressure		Pressure of the blood, obtained noninvasively (i.e., fingertip), at the diastolic phase	MDC_PRESS_BLD_NONIN_V_DIA	2::18950
Pressure Noninvasive, Mean Blood CVS	Noninvasive mean blood pressure		Pressure of the blood, obtained noninvasively (i.e., fingertip), as computed by averaging on one cycle	MDC_PRESS_BLD_NONIN_V_MEAN	2::18951
Pressure Noninvasive, Continuous Blood CVS	Continuous, noninvasive blood pressure		Pressure of the blood recorded continuously and noninvasively (i.e., fingertip)	MDC_PRESS_BLD_NONIN_V_CTS	2::18952

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Noninvasive, Continuous, Diastolic Blood CVS	Continuous, noninvasive diastolic blood pressure		Pressure of the blood, obtained continuously and noninvasively (i.e., fingertip), at the diastolic phase	MDC_PRESS_BLD_NONIN_V_DIA_CTS	2::18954
Pressure Noninvasive, Continuous, Mean Blood CVS	Continuous, noninvasive mean blood pressure		Pressure of the blood, obtained continuously and noninvasively (i.e., fingertip), as computed by averaging on one cycle	MDC_PRESS_BLD_NONIN_V_MEAN_CTS	2::18955
Pressure Noninvasive, Continuous, Systolic Blood CVS	Continuous, noninvasive systolic blood pressure		Pressure of the blood, obtained continuously and noninvasively (i.e., fingertip), at the systolic phase	MDC_PRESS_BLD_NONIN_V_SYS_CTS	2::18953
Pressure Noninvasive, Systolic Blood CVS	Noninvasive systolic blood pressure		Pressure of the blood, obtained noninvasively (i.e., fingertip), at the systolic phase	MDC_PRESS_BLD_NONIN_V_SYS	2::18949
Pressure Systolic Blood Anterior Descending, Left Coronary Artery, Heart, CVS	Systolic left anterior descending branch coronary arterial pressure		Systolic pressure in the left coronary artery, anterior descending branch	MDC_PRESS_BLD_CORO_N_ART_L_ANT_DESCEND_SYS	2::19049
Pressure Systolic Blood Aorta, CVS	Systolic aortic pressure		Systolic pressure of the blood in the aorta	MDC_PRESS_BLD_AORT_SYS	2::18957
Pressure Systolic Blood Artery, CVS	Systolic arterial pressure		Systolic pressure of the blood in an artery	MDC_PRESS_BLD_ART_SYS	2::18961
Pressure Systolic Blood Artery, CVS Ambulatory	Systolic arterial pressure		Systolic pressure of the blood in an artery measured ambulatory	MDC_PRESS_BLD_ART_A_BP_SYS	2::18965
Pressure Systolic Blood Artery, CVS	Systolic arterial pressure		Systolic pressure of the blood in an artery	MDC_PRESS_BLD_ART_A_UG_SYS	2::18969
Pressure Systolic Blood Central Vein, CVS	Systolic central venous pressure		Systolic pressure of the blood in the thoracic venae cavae	MDC_PRESS_BLD_VEN_CENT_SYS	2::19013
Pressure Systolic Blood Circumflex Branch, Left Coronary Artery, Heart, CVS	Systolic left circumflex branch coronary arterial pressure		Systolic pressure in the left coronary artery, circumflex branch	MDC_PRESS_BLD_CORO_N_ART_L_CIRC_SYS	2::19053
Pressure Systolic Blood Conus Artery, Coronary Artery, Heart, CVS	Systolic right conus artery pressure		Systolic pressure in the coronary artery, conus artery	MDC_PRESS_BLD_CORO_N_ART_CONUS_SYS	2::19065

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Systolic Blood CoronaryArtery, Heart, CVS	Systolic coronary arterial pressure		Systolic pressure in the coronary artery, NOS	MDC_PRESS_BLD_CORO_N_ART_SYS	2::19041
Pressure Systolic Blood CVS	Systolic blood pressure		Pressure of the blood at the systolic phase	MDC_PRESS_BLD_SYS	2::18945
Pressure Systolic Blood LeftAtrium, CVS	Systolic left atrial pressure		Systolic pressure of the blood in the left atrium of the heart	MDC_PRESS_BLD_ATR_L_EFT_SYS	2::18993
Pressure Systolic Blood Ventricle, CVS	Systolic ventricular pressure		Systolic pressure of the blood in a ventricle of the heart	MDC_PRESS_BLD_VENT_SYS	2::19021
Pressure Systolic , End Blood Ventricle, CVS	Systolic end ventricular pressure		Systolic end pressure of the blood in a ventricle of the heart	MDC_PRESS_BLD_VENT_SYS_END	2::19025
Pressure Systolic Blood LeftVentricle, CVS	Systolic left ventricular pressure		Systolic pressure of the blood in the left ventricle of the heart	MDC_PRESS_BLD_VENT_LEFT_SYS	2::19029
Pressure Systolic Blood LeftCoronaryArtery, Heart, CVS	Systolic left coronary arterial pressure		Systolic pressure in left coronary artery, NOS	MDC_PRESS_BLD_CORO_N_ART_L_SYS	2::19045
Pressure Systolic Blood MarginalBranch, RightCoronaryArtery, Heart, CVS	Systolic right marginal branch arterial pressure		Systolic pressure in the right coronary artery, marginal branch	MDC_PRESS_BLD_CORO_N_ART_R_MARG_SYS	2::19069
Pressure Systolic Blood PosteriorDescending, RightCoronaryArtery, Heart, CVS	Systolic right posterior descending branch coronary arterial pressure		Systolic pressure in the right coronary artery, posterior descending branch	MDC_PRESS_BLD_CORO_N_ART_R_POST_DESCEND_SYS	2::19061
Pressure Systolic Blood PulmonaryArtery, CVS	Systolic pulmonary arterial pressure		Systolic pressure of the blood in the pulmonary artery	MDC_PRESS_BLD_ART_PULM_SYS	2::18973
Pressure Systolic Blood PulmonaryCapillary, CVS	Systolic pulmonary capillary pressure		Systolic pressure of the blood in the pulmonary capillaries	MDC_PRESS_BLD_PULM_CAP_SYS	2::19005
Pressure Systolic Blood RightAtrium, CVS	Systolic right atrial pressure		Systolic pressure of the blood in the right atrium of the heart	MDC_PRESS_BLD_ATR_RIGHT_SYS	2::18997
Pressure Systolic Blood RightVentricle, CVS	Systolic right ventricular pressure		Systolic pressure of the blood in the right ventricle of the heart	MDC_PRESS_BLD_VENT_RIGHT_SYS	2::19033

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Systolic Blood RightCoronaryArtery, Heart, CVS	Systolic right coronary arterial pressure		Systolic pressure in the right coronary artery, NOS	MDC_PRESS_BLD_CORO_N_ART_R_SYS	2::19057
Pressure Systolic Blood UmbilicalArtery, CVS	Systolic umbilical arterial pressure		Systolic pressure of the blood in the umbilical arteries of a fetus	MDC_PRESS_BLD_ART_U_MB_SYS	2::18985
Pressure Systolic Blood UmbilicalVein, CVS	Systolic umbilical venous pressure		Systolic pressure of the blood in the umbilical veins of a fetus	MDC_PRESS_BLD_VEN_U_MB_SYS	2::19017
Pressure Wedge Blood PulmonaryArtery, CVS	Pulmonary artery wedge pressure	PAW	Pressure of the blood measured by a catheter wedged into a small branch of the pulmonary artery	MDC_PRESS_BLD_ART_P_ULM_OCCL	2::18980
Pressure Wedge Blood PulmonaryArtery, CVS	Pulmonary artery wedge pressure	PAW	Pressure of the blood measured by a catheter wedged into a small branch of the pulmonary artery	MDC_PRESS_BLD_ART_P_ULM_WEDGE	2::18980
Pulse Pulse Blood, CVS	Pulse		Blood pulse in an artery	MDC_PULS	2::18432
Pulse Invasive Pulse Blood, CVS	Invasive pulse		Pulse in an artery, measured invasively	MDC_BLD_PULS_INV	2::18448
Pulse Noninvasive Pulse Blood, CVS	Noninvasive pulse		Blood pulse in an artery, measured non-invasively	MDC_PULS_NON_INV	2::18472
Pulse Oximetry Pulse Blood, CVS	Pulse		Blood pulse as obtained by pulse oximetry	MDC_PULS_OXIM_PULS	2::18456
Rate Oximetry Pulse Blood, CVS	Pulse rate	PRoxim	Rate of blood pulse as obtained by pulse oximetry	MDC_PULS_OXIM_PULS_RATE	2::18458
Pulse Plethysmography Pulse Blood, CVS	Pulse		Blood pulse as obtained by plethysmography	MDC_PLETH_PULS	2::18464
Period Plethysmography Pulse Blood, CVS	Pulse period		Blood pulse period as obtained by photoplethysmography	MDC_PPG_TIME_PD_PP	2::18496
Rate Pulse Blood, CVS	Pulse rate	PR	Rate of blood pulse in an artery	MDC_PULS_RATE	2::18442
Rate Invasive Pulse Blood, CVS	Invasive pulse rate	PRI	Rate of blood pulse in an artery, measured invasively	MDC_BLD_PULS_RATE_INV	2::18450
Rate Noninvasive Pulse Blood, CVS	Noninvasive pulse rate	PRNI	Rate of blood pulse in an artery, measured non-invasively	MDC_PULS_RATE_NON_I_NV	2::18474
Rate Plethysmography Pulse Blood, CVS	Pulse rate	PRpl	Rate of blood pulse as obtained by plethysmography	MDC_PLETH_PULS_RATE	2::18466

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Resistance Flow PulmonaryBlood, CVS	Pulmonary vascular resistance	PVR	Resistance to blood flow in the pulmonary vessels	MDC_RES_VASC_PULM	2::19236
Resistance Flow SystemicBlood, CVS	Systemic vascular resistance	SVR	Resistance to blood flow in the systemic circulation	MDC_RES_VASC_SYS	2::19240
Resistance Flow Blood, CVS	Vascular resistance	TVR	Resistance to blood flow within circulation	MDC_RES_VASC	2::19232
Resistance Difference(SystemicAndPulmonary) Flow Blood, CVS	Systemic vascular resistance indexed	SVRI	Difference between systemic and pulmonary resistance	MDC_RES_VASC_SYS_IN DEX	2::18688
Temperature Injectate Heart, CVS	Temperature of injectate	TI	Temperature of an indicator injectate (cold indicator) used to calculate cardiac output	MDC_TEMP_INJ	2::19304
Volume EndDiastolic Blood LeftVentricle, Heart, CVS	Left ventricular enddiastolic volume		Volume of the left ventricle at the end of diastolic phase (maximum volume)	MDC_VOL_VENT_L_END_DIA	2::19456
Volume EndSystolic Blood LeftVentricle, Heart, CVS	Left ventricular end systolic volume		Volume of the left ventricle at the end of systolic phase (minimum volume)	MDC_VOL_VENT_L_END_SYS	2::19460
Volume OneBeat Blood CVS	Stroke volume	SV	Volume of blood ejected per beat	MDC_VOL_BLD_STROKE	2::19332
Volume OneBeat Blood LeftVentricle, CVS	Left ventricular stroke volume	LVSV	Volume of blood ejected from the left ventricle per beat	MDC_VOL_BLD_VENT_LE FT_STROKE	2::19336
Volume PerMinute Blood LeftVentricle, CVS	Cardiac output	CO	Quantity of blood pumped by the left ventricle into the aorta per minute	MDC_OUTPUT_CARD	2::19204
Volume PerMinute Blood PeripheralFemoralArtery, CVS	Peripheral arterial cardiac output		Blood flow [output] in a peripheral femoral artery	MDC_OUTPUT_CARD_AR T_BRANCH	2::19208
Volume PerMinute Blood PeripheralVenousBranch, CVS	Peripheral venous cardiac output		Blood flow [output] in a peripheral venous branch	MDC_OUTPUT_CARD_VE N_BRANCH	2::19212
Volume PerMinute ConsumedOxygen Blood, CVS	Oxygen consumption	VO2	Oxygen consumption of the body	MDC_SAT_O2_CONSUMP	2::19200
Volume PerMinute, Continuous Blood LeftVentricle, CVS	Continuous cardiac output		Quantity of blood pumped by the left ventricle into the aorta per minute, obtained as continuous measurement	MDC_OUTPUT_CARD_CT S	2::19420
Volume PerMinute, Discontinuous Blood LeftVentricle, CVS	Discontinuous cardiac output		Quantity of blood pumped by the left ventricle into the aorta per minute, obtained as not continuous measurement	MDC_OUTPUT_CARD_NO NCTS	2::19424

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Volume Plethysmography Blood, CVS	Plethysmography		Change in the size of a part as modified by the circulation of the blood in it	MDC_PLETH_VOL_BLD	2::19224
Waveform Plethysmography Blood, CVS	Plethysmography		Blood plethysmography	MDC_PLETH	2::19380
Waveform Saturation, Oxygen, Plethysmogram Blood BloodChemistry	Oxygen saturation waveform, plethysmogram		Blood plethysmography	MDC_PULS_OXIM_PLETH	2::19380
Work Heart CVS	Cardiac work	CW	Cardiac work	MDC_WK_CARD	2::19340
Work Heart LeftVentricle, CVS	Ventricular work	VSW	Work of the left ventricle of the heart	MDC_WK_LV	2::19368
Work Heart RightVentricle, CVS	Right ventricular work	RWW	Work of the right ventricle of the heart	MDC_WK_RV	2::19360
Work OneBeat Heart LeftSide, CVS	Left side ventricular stroke	LCW	Ventricular stroke - work of left side of the heart in one cardiac cycle	MDC_WK_CARD_LEFT	2::19344
Work OneBeat Heart LeftVentricle, CVS	Ventricular stroke	LVSW	Work of left ventricle of the heart in one cardiac cycle	MDC_WK_LV_STROKE	2::19356
Work OneBeat Heart RightSide, CVS	Right side ventricular stroke	RCW	Ventricular stroke - work of right side of the heart in one cardiac cycle	MDC_WK_CARD_RIGHT	2::19348
Work OneBeat Heart RightVentricle, CVS	Right ventricular stroke	RVSW	Work of right ventricle of the heart in one cardiac cycle	MDC_WK_RV_STROKE	2::19364
Acceleration, initial BloodFlow Flow Aorta, CVS	Acceleration Index	ACI	Initial acceleration of blood flow in the aorta, which occurs within the first 10 to 20 milliseconds	MDC_ACCELERATION_IN_DEX	2::19540
Ratio, Duration electrical pre-ejection, mechanical systole Flow Aorta, CVS	Systolic Time Ratio	STR	The ratio of the electrical and mechanical systole duration (PEP/LVET)	MDC_SYSTOLIC_TIME_RATIO	2::19544
Fluid Content, Thoracic Conductivity ChestCavity, CVS	Thoracic Fluid Content	TFC	The electrical conductivity of the chest cavity, which is primarily determined by the intravascular, intraalveolar and the interstitial fluids in the thorax	MDC_THORACIC_FLUID_CONTENT	2::19548
Duration AorticValve, Opening to Closing Flow Aorta, CVS	Left Ventricular Ejection Time	LVET	The time interval from opening to the closing of the aortic valve (mechanical systole)	MDC_TIME_PD_VENT_L_AORT_EJCT	2::19552
Duration Pre-Ejection Flow Aorta, CVS	Pre-Ejection Period	PEP	The time interval from the beginning of electrical stimulation of the ventricles to the opening of the aortic valve (electrical systole)	MDC_TIME_PD_VENT_L_AORT_PRE_EJCT	2::19556
Index, Velocity BloodFlow, Peak Flow Aorta, CVS	Velocity Index	VI	Peak velocity of blood flow in the aorta	MDC_VELOCITY_INDEX	2::19560

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Index PerSurfaceArea StrokeVolume LeftVentricle, CVS	Stroke Volume Index	p-SVI	Left-ventricular stroke volume per heartbeat, normalized for body surface area	MDC_VOL_BLD_STROKE_INDEX	2::19564
Index Work, PerMinute, PerSurfaceArea LeftVentricle, CVS	Left Ventricular Work Index (per minute)	LVWI	Work performed by the left ventricle of the heart to eject the stroke volume over one minute's time, normalized for body surface area	MDC_WK_LV_WORK_INDEX	2::19568
Index Work, PerMinute, PerSurfaceArea RightVentricle, CVS	Right Ventricular Work Index (per minute)	RVWI	Work performed by the right ventricle of the heart to eject the stroke volume over one minute's time, normalized for body surface area	MDC_WK_RV_WORK_INDEX	2::18704
Pressure Blood FemoralArtery, CVS	Femoral Artery Pressure		Pressure of the blood in the femoral artery	MDC_PRESS_BLD_ART_F_EMORAL	2::19576
Pressure Systolic Blood FemoralArtery, CVS	Systolic Femoral Arterial Catheter Pressure		Systolic pressure of the blood in the femoral artery	MDC_PRESS_BLD_ART_F_EMORAL_SYS	2::19577
Pressure Diastolic Blood FemoralArtery, CVS	Diastolic Femoral Arterial Catheter Pressure		Mean pressure of the blood in the femoral artery	MDC_PRESS_BLD_ART_F_EMORAL_DIA	2::19578
Pressure Mean Blood FemoralArtery, CVS	Mean Femoral Arterial Catheter Pressure		Diastolic pressure of the blood in the femoral artery	MDC_PRESS_BLD_ART_F_EMORAL_MEAN	2::19579
Flow Blood, PulmonaryCapillary CVS	Pulmonary Capillary Blood Flow		Flow of the blood in the pulmonary capillaries	MDC_FLOW_BLD_PULM_CAP	2::19580
Ratio, Concentration arterial oxygen, inspired oxygen (PaO2/FiO2) ArterialOxygen Blood, CVS	Oxygenation Ratio	PaO2/FiO2, PFr	Oxygenation Ratio, calculated as the ratio of PaO2 (partial pressure of arterial oxygen) divided by FiO2 (the fractional of inspired oxygen, e.g., FiO2 in air = 0.21)	MDC_O2_OXYGENATION_RATIO	2::19584
Ratio, Concentration arterial oxygen, inspired oxygen (PaO2/FiO2) ArterialOxygen Blood, CVS	SPO2 Oxygenation Ratio	SpO2/FiO2, SFr	Peripheral oxygen saturation level (of hemoglobin) to fraction of inspired oxygen ratio. Equation: $100 \cdot \text{SpO}_2(\%) / \text{FiO}_2(\%)$. NOTE—This calculated value may be considered invalid under certain conditions, e.g., SpO2 is not sufficiently correlated with PaO2.	MDC_SPO2_OXYGENATION_RATIO	2::19600
Volume PerMinute Blood Left Ventricle, CVS, by Fick method	Cardiac Output	CO	Quantity of blood pumped by the left ventricle into the aorta per minute, specifically by using the Fick method	MDC_OUTPUT_CARDIAC_FICK	2::19588

Table A.7.3.6.1—Nomenclature and codes for haemodynamic monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Volume Per Minute Per Body Surface Area Consumed Oxygen Blood, CVS	(Estimated) O2 Consumption Index		Estimated O2 Consumption, normalized by body surface area	MDC_SAT_O2_CONSUMP_INDEX	2::19592
Volume Per Minute Per Body Surface Area Delivered Oxygen Blood, CVS	(Estimated) O2 Delivery Index		Estimated O2 Delivery, normalized by body surface area	MDC_SAT_O2_DELIV_IND_EX	2::19596
Pressure Blood Femoral Vein, CVS	Femoral Venous Pressure		Pressure of the blood in the femoral vein.	MDC_PRESS_BLD_VEN_FEMORAL	2::19604
Pressure Blood Brachial Artery, CVS	Brachial Arterial Pressure		Pressure of the blood in the brachial artery.	MDC_PRESS_BLD_ART_B_RACHIAL	2::19608
Signal Beats Heart CVS, transthoracic impedance	Signal from transthoracic impedance		Signal obtained from the variation of transthoracic impedance.	MDC_TTHOR_HEART	2::18480
Rate Beats Heart CVS, transthoracic impedance	Heart rate by transthoracic impedance	HR	Heart rate obtained from the variation of transthoracic impedance.	MDC_TTHOR_HEART_RATE	2::18482
Signal Beats Heart CVS, manual palpation	Palpation	HR	Signal obtained from an artery that is close to the surface and a pulse can be felt. [The most common places to measure heart rate using palpation are at the wrist (radial artery) and the neck (carotid artery).]	MDC_PALPATION_HEART	2::18488
Rate Beats Heart CVS, manual palpation	Heart rate by palpation	HR	Heart rate obtained from an artery that is close to the surface and a pulse can be felt. [The most common places to measure heart rate using palpation are at the wrist (radial artery) and the neck (carotid artery).]	MDC_PALPATION_HEART_RATE	2::18490

A.7.3.7 Deprecated terms for haemodynamic monitoring measurements

Certain terms for haemodynamic monitoring measurements have been deprecated. These are listed in Table A.7.3.7.1.

Table A.7.3.7.1—Deprecated terms for haemodynamic monitoring measurements

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Index Work RightVentricle, CVS	Right ventricular stroke indexed	RVSWI	MDC_PVT_WK_RV_STROKE_INDEX is deprecated. Use MDC_WK_RV_STROKE_INDEX (19572)	MDC_PVT_WK_RV_STROKE_INDEX	2::18696
Pressure Noninvasive, Discontinuous Blood CVS	Discontinuous, noninvasive diastolic blood pressure		Replaced by MDC_PRESS_BLD_NONINV (18948)	MDC_PRESS_CUFF	2::19228
Pressure Noninvasive, Discontinuous, Systolic Blood CVS	Discontinuous, noninvasive systolic blood pressure		Replaced by MDC_PRESS_BLD_NONINV_SYS (18949)	MDC_PRESS_CUFF_SYS	2::19229
Pressure Noninvasive, Discontinuous, Diastolic Blood CVS	Discontinuous, noninvasive diastolic blood pressure		Replaced by MDC_PRESS_BLD_NONINV_DIA (18950)	MDC_PRESS_CUFF_DIA	2::19230
Pressure Noninvasive, Discontinuous, Mean Blood CVS	Discontinuous, noninvasive mean blood pressure		Replaced by MDC_PRESS_BLD_NONINV_MEAN (18951)	MDC_PRESS_CUFF_MEAN	2::19231

A.7.4 Nomenclature and codes for respiratory, ventilator, and anesthesia measurements

A.7.4.1 Introduction

Subclause A.7.4 presents a nomenclature for systematic names in respiratory monitoring. Table A.7.4.19.2 contains the systematic names concerning respiration and mechanical ventilation. It is related to the semantic link "*has target:*" in the nomenclature for vital signs devices and the descriptors Airway and Lung (see A.5.4.1). All of the tables in A.7.4 contain terms that may be used in attributes in the Metric object of the DIM. The acronyms in all the tables are informative and not intended to be normative.

All measurements related to respiration are included in A.7.4; however, where samples are analyzed in a side room or laboratory (e.g., adjacent to an intensive care unit [ICU] or cathlab), they are listed in the nomenclature for bedside blood, urine, and fluid chemistry in Table A.7.5.6.1.

A.7.4.2 Base concepts

The base concepts for the description of the measurements are physical properties. The following descriptors are applicable:

- **Compliance** (the elastic properties of the lung)
- **Concentration** (the chemical components of the gas. The gases both delivered to the patient and resulting from the patient's metabolism are described. Derived values are mean values and values at distinct time points, e.g., EndtidalCO₂)
- **Duration** (a certain time interval, e.g., the inspiration phase)
- **Electrical Impedance** (an electrical measurement, describing changes in electrical properties of the thorax by volume of gas in lungs and fluid volume and distribution in thorax)
- **Flow** (the velocity of the gas exchange, e.g., in the airway)
- **Index** (one of two concepts comprising calculated and derived data. Simple quotients are called *ratio* and complicated calculations, *index*.)
- **Mode** (the type of respiratory ventilation, i.e., spontaneous and/or mechanically controlled, that is in use for the patient)
- **Number** (used for counted events)
- **Pressure** (directly related to physical measurement of pressure)
- **Rate** (the frequency of occurrence of events, etc., based on a certain time frame: second, minute, hour, etc.)
- **Ratio** (one of two concepts comprising calculated and derived data. Simple quotients are called *ratio* and complicated calculations, *index*.)
- **Resistance** (the resistance in the flow of gas in the airway)
- **Volume** (all types of volumes e.g., TidalVolume, MinuteVolume, etc.)

A.7.4.3 First set of differentiating criteria

The second field of the systematic name in Table A.7.4.19.2 refers to the measurement features. Six semantic links apply for the first set of differentiating criteria; more than one descriptor is possible. They specify different measurement features, e.g., <kind of property>, <kind of quantity>.

A.7.4.3.1 Semantic link "has method:"

Descriptors for the method of measurement are as follows:

- **Dynamic**
- **Occlusion**
- **Static**

Descriptors for the method of measurement for respiratory rate are as follows:

- **Pressure**
- **Transthoracic**

Descriptors for the type of breathing or mechanical ventilation are as follows:

- **PositivePressure**
- **PressureSupport**
- **Spontaneous**

Descriptors for specification of respiration or ventilation mode are as follows:

- **Applied**
- **Intrinsic**
- **Positive**
- **PositiveEndexpiratory**

The descriptor for defining that the assistance by external means is continuous in time is as follows:

- **Continuous**

The descriptor for defining that the assistance by external means is discontinuous in time is as follows:

- **Intermittent**

The descriptor for defining that the assistance by external means is synchronized to spontaneous breathing is as follows:

- **Synchronized**

A.7.4.3.2 Semantic link "has specification:"

The descriptor for defining the time interval for calculation or integrating a value is as follows:

- **OneMinute**

The descriptor for defining the type of concentration measurement is as follows:

- **PartialPressure**

A.7.4.3.3 Semantic link "*pertains to*:"

Descriptors for volumes used for calculating the ratio are as follows:

- **DeadspaceVolume**
- **TidalVolume**

Descriptors for time intervals for computation of time ratios are as follows:

- **Duration(ExpirationPhase)**
- **Duration(InspirationPhase)**

Descriptors for components of gas in the process or calculation are as follows:

- **Flow(AlveolarVentilation)**
- **Flow(Expired CO₂)**
- **Flow(O₂used)**
- **Flow(Perfusion)**

A.7.4.3.4 Semantic link "*has time criterion*:"

Descriptors for phases or certain time points in the respiration or ventilation process are as follows:

- **Endexpiratory**
- **EndTidal**
- **Expiration**
- **ExpirationPhase**
- **Inspiration**
- **InspirationPhase**
- **Pause**
- **Plateau**
- **SinceStartInspiration**

A.7.4.3.5 Semantic link "*has origin*:"

Descriptors for defining the origin of a derived value are as follows:

- **Airway**
- **CO₂**
- **Flow**
- **NOS**
- **Pressure**
- **Volume**

A.7.4.3.6 Semantic link "is computed as:"

Descriptors for calculations to derive values from waveforms are as follows:

- **Maximum**
- **Mean**
- **Minimum**

Descriptors for the difference of values in inspiration and expiration phase as calculated, in this case used for concentration differences, are as follows:

- **Difference(Inspiration, Expiration)**
- **Difference(PartialPressureInspiration, PartialPressureExpiration)**

Descriptors for the calculation necessary for index are as follows:

- **Ratio(FlowDifference, PressureDifference)**

A.7.4.4 Second set of differentiating criteria

The third field of systematic name in Table A.7.4.19.2 describes the target of measurement. More than one descriptor is possible. It holds information about body compartments, body parts, or body functions or refers to their state. Because mechanical ventilation is included in the application field, Table A.7.4.19.2 contains terms concerning ventilator functionality as well.

A.7.4.4.1 Semantic link "concerns:"

Descriptors for defining the part or site in body are as follows:

- **Alveolar**
- **Alveoli**
- **Airway**
- **Esophageal**
- **InterPleural**
- **Lung**
- **LungStructure**
- **Pleura**
- **RespiratoryTract**
- **TransThoracic**

One descriptor exists for the type of functional disorder, the absence of breath, which is an important event or alarm. Duration is normally measured.

- **Apnea**

Descriptors for defining body function are as follows:

- **Breath**
- **GasTransport**

The descriptor for defining that the pattern of respiration is spontaneous and controlled by the patient is as follows:

- **BreathingMode**

Descriptors for the functional properties of the lung and the respiratory tract are as follows:

- **DeadSpace**
- **Tidal**
- **TidalVolume**
- **Trapped**
- **VitalCapacity**

Descriptors for compartment, respired gas and components are as follows. For the most common gas and anesthetic vapor concentrations, separate terms have been included.

- **CO₂**
- **Desflurane**
- **Enflurane**
- **Gas**
- **Halothane**
- **Isoflurane**
- **NO₂**
- **N₂O**
- **O₂**
- **Sevoflurane**
- **Substance**

The descriptor for the loss of gas by a leak in ventilator itself, tubing, connections, etc., is as follows:

- **Leakage**

Descriptors for the functional settings of the ventilator are as follows:

- **Sigh**
- **SighMultiple**
- **TriggerSensitivity**
- **VentilationMode**

The descriptor for defining that the pattern of respiration is controlled or modified by a ventilator is as follows:

- **Ventilation**

A.7.4.5 Third set of differentiating criteria

The fourth field holds information about the context, i.e., the functional or organic system for which the term is relevant. All terms in this field belong to respiration/ventilation.

A.7.4.5.1 Semantic link "has context:"

Only one of the following descriptors that further specify the general context of respiration may be selected:

- Airway
- Breathing
- LungStructure
- RespiratoryProcess
- RespiratoryTract

The descriptor for defining measurements in mechanical ventilation and ventilator settings is as follows:

- Ventilator

A.7.4.6 Specification of modes for respirators and ventilators

Different types of ventilators exist, which use different physical principles in artificial ventilation of the lungs, e.g., different types of high-frequency ventilators besides the standard ventilators. Standard ventilators can be used in different modes also. In Table A.7.4.19.2, there is an enumeration observation element, Mode | VentilationMode | Ventilator, which can communicate a value of type Bit String denoting the ventilation mode in use. Table A.7.4.16.1 defines these values for the different ventilation modes. Two terms are used to describe spontaneous breathing without a ventilator. These values are used with Mode | Breathing | Respiration.

A.7.4.7 Base concept

The base concept is as follows:

- Mode

A.7.4.8 First set of differentiating criteria

The second field in the systematic name refers to measurement features. Two semantic links apply.

A.7.4.8.1 Semantic link "has method:"

Descriptors for the type of breathing or mechanical ventilation are as follows:

- AirwayPressureRelease
- Biphasic
- ExtrathoracicNegativePressure
- HighFrequency
- HighFrequencyJet

- **HighFrequencyOscillation**
- **InspiratoryAssist**
- **InverseRatio**
- **Mandatory**
- **MandatoryMinimumVolume**
- **PressureSupport**
- **PositiveEndExpiratoryPressure**
- **PositivePressure**
- **ProportionalAssist**
- **Spontaneous**

A.7.4.8.2 Semantic link "**has time criterion:**"

Applicable descriptors are as follows:

- **Continuous** (the assistance by external means is continuous in time)
- **Intermittent** (the assistance by external means is discontinuous in time)
- **Synchronized** (the assistance by external means is synchronized to spontaneous breathing)

A.7.4.9 Second set of differentiating criteria

The third field in the systematic name describes the target of measurement. Mechanical ventilation and spontaneous breathing are described.

A.7.4.9.1 Semantic link "**concerns:**"

Applicable are the following descriptors:

- **Breathing**
- **Ventilation**

A.7.4.10 Third set of differentiating criteria

The fourth field holds information about the context. In this case, it is information about the working mode of the ventilator itself or spontaneous respiration.

A.7.4.10.1 Semantic link "**has context:**"

The following descriptors are applicable:

- **Respiration**
- **Ventilator**

A.7.4.11 Bit string table

See Table A.7.4.11.1 for the bit strings for ventilator modes and Table A.7.4.11.2 for the nomenclature and codes for ventilator modes. The following type definitions apply:

```
--
--Ventilation Mode Indication Bits
--
VentilationMode ::= BITS-32 {
    vent-mode-spont(0),
    vent-mode-cpap(1),
    vent-mode-bipap(2),
    vent-mode-ippw(3),
    vent-mode-cmv(4),
    vent-mode-irv(5),
    vent-mode-imv(6),
    vent-mode-simv(7),
    vent-mode-insp-assist(8),
    vent-mode-press-release(9),
    vent-mode-psv(10),
    vent-mode-mmV(11),
    vent-mode-prop-assist(12),
    vent-mode-hfv(13),
    vent-mode-hfjv(14),
    vent-mode-hfo(15),
    vent-mode-peep(31)
}
```

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Table A.7.4.11.1—Ventilator modes bit string (multipage table)

Systematic name	Common term	Acronym	Description/Definition	Bit string
Mode Spontaneous Breathing Respiration	Spontaneous respiration		Spontaneous respiration without mechanical help	vent-mode-spont
Mode Spontaneous, Continuous Positive Pressure Breathing Respiration	CPAP	CPAP	Spontaneous respiration with continuous positive airway pressure	vent-mode-cpap
Mode Spontaneous, Biphasic, Positive Pressure Breathing Ventilator	BIPAP	BIPAP	Spontaneous respiration with biphasic positive airway pressure	vent-mode-bipap
Mode Intermittent, Positive Pressure Ventilation Ventilator	IPPV	IPPV	Intermittent positive pressure ventilation	vent-mode-ippv
Mode Intermittent, Positive Pressure, Positive End Expiratory Pressure Ventilation Ventilator	PEEP	PEEP	Positive end-expiratory pressure applied during intermittent positive pressure ventilation	vent-mode-peep
Mode Continuous, Mandatory Ventilation Ventilator	CMV	CMV	Continuous mandatory ventilation	vent-mode-cmv
Mode Continuous, Mandatory, Positive End Expiratory Pressure Ventilation Ventilator	CMV + PEEP	CMV + PEEP	Continuous mandatory ventilation with positive end-expiratory pressure	vent-mode-cmv + vent-mode-peep
Mode Inverse Ratio Ventilation Ventilator	IRV	IRV	Intermittent positive pressure ventilation with longer inspiratory than expiratory phases	vent-mode-irv
Mode Inverse Ratio, Positive End Expiratory Pressure Ventilation Ventilator	IRV + PEEP	IRV + PEEP	Inverse ratio ventilation with positive end-expiratory pressure	vent-mode-irv + vent-mode-peep
Mode Intermittent, Mandatory Ventilation Ventilator	IMV	IMV	Intermittent positive pressure ventilation with pauses between breaths to permit spontaneous respiration	vent-mode-imv
Mode Intermittent, Mandatory, Positive End Expiratory Pressure Ventilation Ventilator	IMV + PEEP	IMV + PEEP	Intermittent mandatory ventilation with positive end-expiratory pressure	vent-mode-imv + vent-mode-peep
Mode Intermittent, Mandatory, Synchronized Ventilation Ventilator	SIMV	SIMV	Synchronized intermittent mandatory ventilation	vent-mode-simv
Mode Intermittent, Mandatory, Synchronized, Positive End Expiratory Pressure Ventilation Ventilator	SIMV + PEEP	SIMV + PEEP	Synchronized intermittent mandatory ventilation with positive end-expiratory pressure	vent-mode-simv + vent-mode-peep
Mode Inspiratory Assist Ventilation Ventilator	Inspiratory assist		Assisted ventilation during the inspiratory phase	vent-mode-insp-assist
Mode Inspiratory Assist, Positive End Expiratory Pressure Ventilation Ventilator	Inspiratory assist + PEEP		Inspiratory assist ventilation with positive end-expiratory pressure	vent-mode-insp-assist + vent-mode-peep

Table A.7.4.11.1—Ventilator modes bit string (*multipage table*)

Systematic name	Common term	Acronym	Description/Definition	Bit string
Mode AirwayPressureRelease Ventilation Ventilator	Airway pressure release ventilation		Ventilation in which airway pressure is maintained at a nominal value and intermittently released to permit expiration	vent-mode-press-release
Mode AirwayPressureRelease, PositiveEndExpiratoryPressure Ventilation Ventilator	Airway pressure release ventilation + PEEP		Airway pressure release ventilation with positive end-expiratory pressure	vent-mode-press-release + vent-mode-peep
Mode PressureSupport Ventilation Ventilator	PSV	PSV	Assisted ventilation with increased airway pressure following initiation of the inspiratory phase; increased pressure may be maintained at the end of expiration.	vent-mode-psv
Mode PressureSupport, PositiveEndExpiratoryPressure Ventilation Ventilator	PSV + PEEP	PSV + PEEP	Pressure support ventilation with positive end-expiratory pressure	vent-mode-psv + vent-mode-peep
Mode MandatoryMinimumVolume Ventilation Ventilator	MMV	MMV	Intermittent positive pressure ventilation set to guarantee delivery of a mandatory minute volume	vent-mode-mmV
Mode MandatoryMinimumVolume, PositiveEndExpiratoryPressure Ventilation Ventilator	MMV + PEEP	MMV + PEEP	Mandatory minimum volume with positive end-expiratory pressure	vent-mode-mmV + vent-mode-peep
Mode ProportionalAssist Ventilation Ventilator	Proportional Assist Ventilation		Spontaneous respiration in which the patient's breathing is assisted by increasing airway pressure in proportion to the patient's inspiratory effort	vent-mode-prop-assist
Mode ProportionalAssist, PositiveEndExpiratoryPressure Ventilation Ventilator	Proportional Assist Ventilation + PEEP		Proportional assist ventilation with positive end-expiratory pressure	vent-mode-prop-assist + vent-mode-peep
Mode HighFrequency Ventilation Ventilator	High Frequency Ventilation	HFV	Ventilation at rates greater than 60 breaths/min using high-frequency jet ventilation or high-frequency oscillation	vent-mode-hfv
Mode HighFrequencyJet Ventilation Ventilator	High Frequency Jet Ventilation	HFJV	Jet ventilation at frequencies between 60 and 240 cycles/min	vent-mode-hfjv
Mode HighFrequencyOscillation Ventilation Ventilator	High Frequency Oscillation	HFO	Ventilation at frequencies between 480 and 2400 cycles/min	vent-mode-hfo
Mode ExtrathoracicNegativePressure Ventilation Ventilator	Extrathoracic Negative Pressure Ventilation		Extrathoracic negative pressure ventilation using iron-lung or cuirasse ventilators	vent-mode-extrathoracic-neg-press

Table A.7.4.11.2—Ventilator modes nomenclature and codes (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Mode Spontaneous Breathing Respiration	Ventilation mode		Selected mode of ventilator	MDC_VENT_MODE	2::53280
Mode VentilationMode, Backup Ventilator	Backup ventilation mode		Selected backup mode of ventilator	MDC_VENT_MODE_BACKUP	2::53328
Mode Spontaneous Breathing Respiration	Spontaneous respiration		Spontaneous respiration without mechanical help	MDC_VENT_MODE_RESP_SPONT	2::53281
Mode Spontaneous, Continuous, PositivePressure Breathing Respiration	CPAP	CPAP	Spontaneous respiration with continuous positive airway pressure	MDC_VENT_MODE_PAP_CTS_SPONT	2::53282
Mode Spontaneous, Biphaseic, PositivePressure Breathing Ventilator	BIPAP	BIPAP	Spontaneous respiration with biphasic positive airway pressure	MDC_VENT_MODE_PAP_BIPHAS_SPONT	2::53283
Mode Intermittent, PositivePressure Ventilation Ventilator	IPPV	IPPV	Intermittent positive pressure ventilation	MDC_VENT_MODE_PPV_INTERMIT_PAP	2::53284
Mode Intermittent, PositivePressure, PositiveEndExpiratoryPressure Ventilation Ventilator	PEEP	PEEP	Positive end-expiratory pressure applied during intermittent positive pressure ventilation	MDC_VENT_MODE_PEEP	2::53285
Mode Continuous, Mandatory Ventilation Ventilator	CMV	CMV	Continuous mandatory ventilation	MDC_VENT_MODE_MAND_CTS	2::53286
Mode Continuous, Mandatory, PositiveEndExpiratoryPressure Ventilation Ventilator	CMV + PEEP	CMV + PEEP	Continuous mandatory ventilation with positive end-expiratory pressure	MDC_VENT_MODE_PEEP_MAND_CTS	2::53287
Mode InverseRatio Ventilation Ventilator	IRV	IRV	Intermittent positive pressure ventilation with longer inspiratory than expiratory phases	MDC_VENT_MODE_VENT_INV_RATIO	2::53288
Mode InverseRatio, PositiveEndExpiratoryPressure Ventilation Ventilator	IRV + PEEP	IRV + PEEP	Inverse ratio ventilation with positive end-expiratory pressure	MDC_VENT_MODE_PEEP_INV_RATIO	2::53289
Mode Intermittent, Mandatory Ventilation Ventilator	IMV	IMV	Intermittent positive pressure ventilation with pauses between breaths to permit spontaneous respiration	MDC_VENT_MODE_MAND_INTERMIT	2::53290
Mode Intermittent, Mandatory, PositiveEndExpiratoryPressure Ventilation Ventilator	IMV + PEEP	IMV + PEEP	Intermittent mandatory ventilation with positive end-expiratory pressure	MDC_VENT_MODE_PEEP_MAND_INTERMIT	2::53291

Table A.7.4.1.1.2—Ventilator modes nomenclature and codes (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Mode Intermittent, Mandatory, Synchronized Ventilation Ventilator	SIMV	SIMV	Synchronized intermittent mandatory ventilation	MDC_VENT_MODE_SYNC_H_MAND_INTERMIT	2::53292
Mode Intermittent, Mandatory, Synchronized, PositiveEndExpiratoryPressure Ventilation Ventilator	SIMV + PEEP	SIMV + PEEP	Synchronized intermittent mandatory ventilation with positive end-expiratory pressure	MDC_VENT_MODE_SYNC_H_MAND_INTERMIT_PEEP	2::53293
Mode InspiratoryAssist Ventilation Ventilator	Inspiratory assist		Assisted ventilation during the inspiratory phase	MDC_VENT_MODE_INSPIR_ASSIST	2::53294
Mode InspiratoryAssist, PositiveEndExpiratoryPressure Ventilation Ventilator	Inspiratory assist + PEEP		Inspiratory assist ventilation with positive end-expiratory pressure	MDC_VENT_MODE_PEEP_INSPIR_ASSIST	2::53295
Mode AirwayPressureRelease Ventilation Ventilator	Airway pressure release ventilation		Ventilation in which airway pressure is maintained at a nominal value and intermittently released to permit expiration	MDC_VENT_MODE_APR	2::53296
Mode AirwayPressureRelease, PositiveEndExpiratoryPressure Ventilation Ventilator	Airway pressure release ventilation + PEEP		Airway pressure release ventilation with positive end-expiratory pressure	MDC_VENT_MODE_APR_PEEP	2::53297
Mode PressureSupport Ventilation Ventilator	PSV	PSV	Assisted ventilation with increased airway pressure following initiation of the inspiratory phase; increased pressure may be maintained at the end of expiration	MDC_VENT_MODE_PSV	2::53298
Mode PressureSupport, PositiveEndExpiratoryPressure Ventilation Ventilator	PSV + PEEP	PSV + PEEP	Pressure support ventilation with positive end-expiratory pressure	MDC_VENT_MODE_PSV_PEEP	2::53299
Mode MandatoryMinimumVolume Ventilation Ventilator	MMV	MMV	Intermittent positive pressure ventilation set to guarantee delivery of a mandatory minute volume	MDC_VENT_MODE_MMV	2::53300
Mode MandatoryMinimumVolume, PositiveEndExpiratoryPressure Ventilation Ventilator	MMV + PEEP	MMV + PEEP	Mandatory minimum volume with positive end-expiratory pressure	MDC_VENT_MODE_MMV_PEEP	2::53301
Mode ProportionalAssist Ventilation Ventilator	Proportional Assist Ventilation		Spontaneous respiration in which the patient's breathing is assisted by increasing airway pressure in proportion to the patient's inspiratory effort	MDC_VENT_MODE_PAV	2::53302

Table A.7.4.11.2—Ventilator modes nomenclature and codes (*multiple table*)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Mode Proportional Assist, Positive End Expiratory Pressure Ventilation Ventilator	Proportional Assist Ventilation + PEEP		Proportional assist ventilation with positive end-expiratory pressure	MDC_VENT_MODE_PAV_P_EEP	2::53303
Mode High Frequency Ventilation Ventilator	High Frequency Ventilation	HFV	Ventilation at rates greater than 60 breaths/min using high-frequency jet ventilation or high-frequency oscillation	MDC_VENT_MODE_HI_FR_EQ	2::53304
Mode High Frequency Jet Ventilation Ventilator	High Frequency Jet Ventilation	HFJV	Jet ventilation at frequencies between 60 and 240 cycles/min	MDC_VENT_MODE_HI_FR_EQ_JET	2::53305
Mode High Frequency Oscillation Ventilation Ventilator	High Frequency Oscillation	HFO	Ventilation at frequencies between 480 and 2400 cycles/min	MDC_VENT_MODE_HI_FR_EQ_OSCIL	2::53306
Mode Extrathoracic Negative Pressure Ventilation Ventilator	Extrathoracic Negative Pressure Ventilation		Extrathoracic negative pressure ventilation using iron-lung or cuirasse ventilators	MDC_VENT_MODE_ENP	2::53307

A.7.4.12 Specification for correction of gas measurements

Atmospheric pressure, temperature, and air humidity influence the results of measurements, e.g., of volumes and partial pressures of gases. It is necessary to know about the circumstances of measurement and about a possible numerical correction of measurement results for comparison of successive measurements. Table A.7.4.16.1 defines text strings for the attribute Metric-Info-LabelString in the Metric object of the DIM.

A.7.4.13 Base concept

One base concept is applicable:

- **Qualifier**

A.7.4.13.1 First set of differentiating criteria

The second field in the systematic name refers to the measurement features.

A.7.4.13.2 Semantic link: "*has specification:*"

Applicable descriptors are as follows:

- **ATPS**
- **BTPS**
- **STPD**

A.7.4.14 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement. No semantic link and descriptor is applicable.

A.7.4.15 Third set of differentiating criteria

The third field of the systematic name describes the target of measurement.

A.7.4.15.1 Semantic link "*concerns:*"

One descriptor is applicable:

- **GasMeasurement**

A.7.4.16 GasMeasurement corrections table

See Table A.7.4.16.1 for the correction of gas measurements.

Table A.7.4.16.1—Correction of gas measurements

Systematic name	Common term	Acronym	Description/Definition	Text for Metric-Info-LabelString
Qualifier BTPS GasMeasurement	Body temperature, pressure, saturated	BTPS	The device communicates a volume or partial pressure of a gas corrected to body temperature and normal pressure in water-saturated atmosphere.	BTPS
Qualifier ATPS GasMeasurement	Ambient temperature, pressure, saturated	ATPS	The device communicates a volume or partial pressure of a gas uncorrected, measured at ambient temperature and pressure in water-saturated atmosphere.	ATPS
Qualifier STPD GasMeasurement	Standard temperature pressure, dry	STPD	The device communicates a volume or partial pressure of a gas corrected to standard temperature and normal pressure in dry atmosphere.	STPD

A.7.4.17 Gas concentration and partial pressure measurements

Two top-level vocabulary branches for gas concentration and partial pressure measurements are defined: MDC_CONC_AWAY for measurements typically obtained at the patient connector port and MDC_CONC_GASDLV for measurements obtained in the system supplying the gas to the patient, with or without a mechanical ventilator.¹³ The vocabulary branch RefId prefix is followed by the gas identifier and measurement phase on the waveform, similar to convention previously established in ISO/IEEE 11073-10101:2004. Additional RefId conventions are described in Annex F.

The gas measurement site may be conveyed by a separate attribute in cases where additional precision is required.¹⁴ The gas measurement sites for gas flow, pressure, volume, concentration, and partial pressure are enumerated in Table A.7.4.17.1 and are keyed to Figure A.7.4.1.

Default measurement sites are defined for three subsets of RefIds listed in Table A.7.4.17.2. In all other cases, the allowed measurement sites and default site location (if any) are specified as co-constraints by other standards and profiles.

Additional gas measurement sites and breathing circuit components are described in Annex G. These may be used to describe alternative and more complex configurations, including

- *open systems* that have no reservoir and no rebreathing;
- *semiopen systems* that have a reservoir but no rebreathing;
- *semiclosed systems* that have a reservoir and partial rebreathing; and
- *closed systems* that have a reservoir and complete rebreathing.

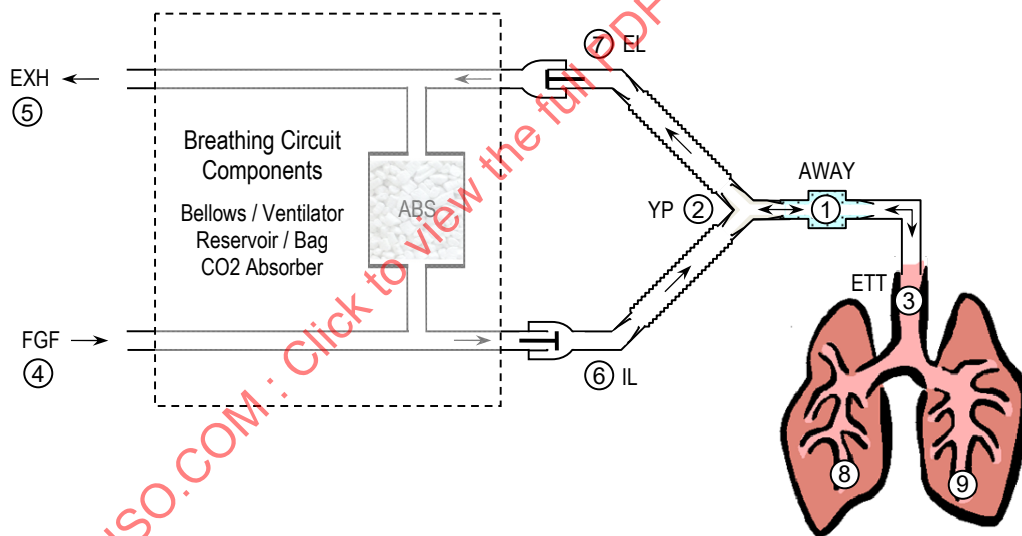
The topology of the breathing circuit can be described using a sequence of the site and component identifiers that closely follows the overall flow of gas, starting at the fresh gas port and ending at one or more exhaust or scavenger ports.

¹³ The new MDC_CONC_GASDLV_ prefix has been defined as a 'synonym' to the MDC_VENT_CONC_ RefId prefix. The Part::Code identifiers are enclosed in wavy braces {...} to indicate that existing MDC_VENT_CONC_ numeric codes are used for this set of terms.

¹⁴ For example, the gas measurement site is conveyed by OBX-20 in an HL7 V2.6 message.

Table A.7.4.17.1—Gas measurement sites

Systematic name	Key	Acronym	Description	RefId	Part::Code
			Non-specific site	MDC_GAS_MSMT_SITE_NOS	7::2048
	①	AWAY	Airway adaptor (patient connection port)	MDC_GAS_MSMT_SITE_AWAY	7::2049
	②	YPI	Y-piece patient interface (circle system)	MDC_GAS_MSMT_SITE_YPI	7::2050
	③	ETT	Endotracheal tube	MDC_GAS_MSMT_SITE_ETT	7::2051
	④	FGF	Fresh gas flow	MDC_GAS_MSMT_SITE_FGF	7::2052
	⑤	EXH	Exhaust (or scavenger)	MDC_GAS_MSMT_SITE_EXH	7::2053
	⑥	IL	Inspiratory limb	MDC_GAS_MSMT_SITE_IL	7::2054
	⑦	EL	Expiratory limb	MDC_GAS_MSMT_SITE_EL	7::2055
	⑧	RB	Right bronchus	MDC_GAS_MSMT_SITE_RB	7::2058
	⑨	LB	Left bronchus	MDC_GAS_MSMT_SITE_LB	7::2057
		PI	Patient interface	MDC_GAS_MSMT_SITE_PI	7::2060
		ETTC	Endotracheal tube, near the carina	MDC_GAS_MSMT_SITE_ETTC	7::2061

**Figure A.7.4.1—Gas concentration and partial pressure measurement locations****Table A.7.4.17.2—Default gas measurement sites**

RefIds that contain	Default gas measurement site	Description
_AWAY	MDC_GAS_MSMT_SITE_AWAY	Patient connection port
MDC_CONC_GASDLV and _INSP	MDC_GAS_MSMT_SITE_IL	Inspiratory limb during inspiratory phase
MDC_CONC_GASDLV and _EXP	MDC_GAS_MSMT_SITE_EL	Expiratory limb during expiratory phase

A.7.4.18 Inspiratory breath type classification

In order to classify ventilator and patient interaction in response to a patient's breathing effort or an inflation delivered by the ventilator, the IEEE 11073 and ISO/TC121/SC4 Working Groups have defined a set of five observed breath-types: controlled, synchronized assisted, assisted, supported and unassisted. The five breath types and related precursor events are shown in Figure A.7.4.2.

Numeric observations such as breath rate, minute volume, and tidal volume reported by ventilators may be based on these breath types. In present-day ventilators, breaths are often classified either as spontaneous or mandatory. In an effort to provide clinicians, researchers and others with more specific data, the IEEE 11073 and ISO/TC121/SC4 Working Groups have defined more specific rate and volume observations (in this Standard and in ISO/CD 19223 [B16], respectively). Measurements qualified in this manner may be used to characterize the breathing patterns of the ventilated patient and obtain an indication of the degree of patient dependence on the ventilator. This Standard provides terms for both current use and in ISO 19223.

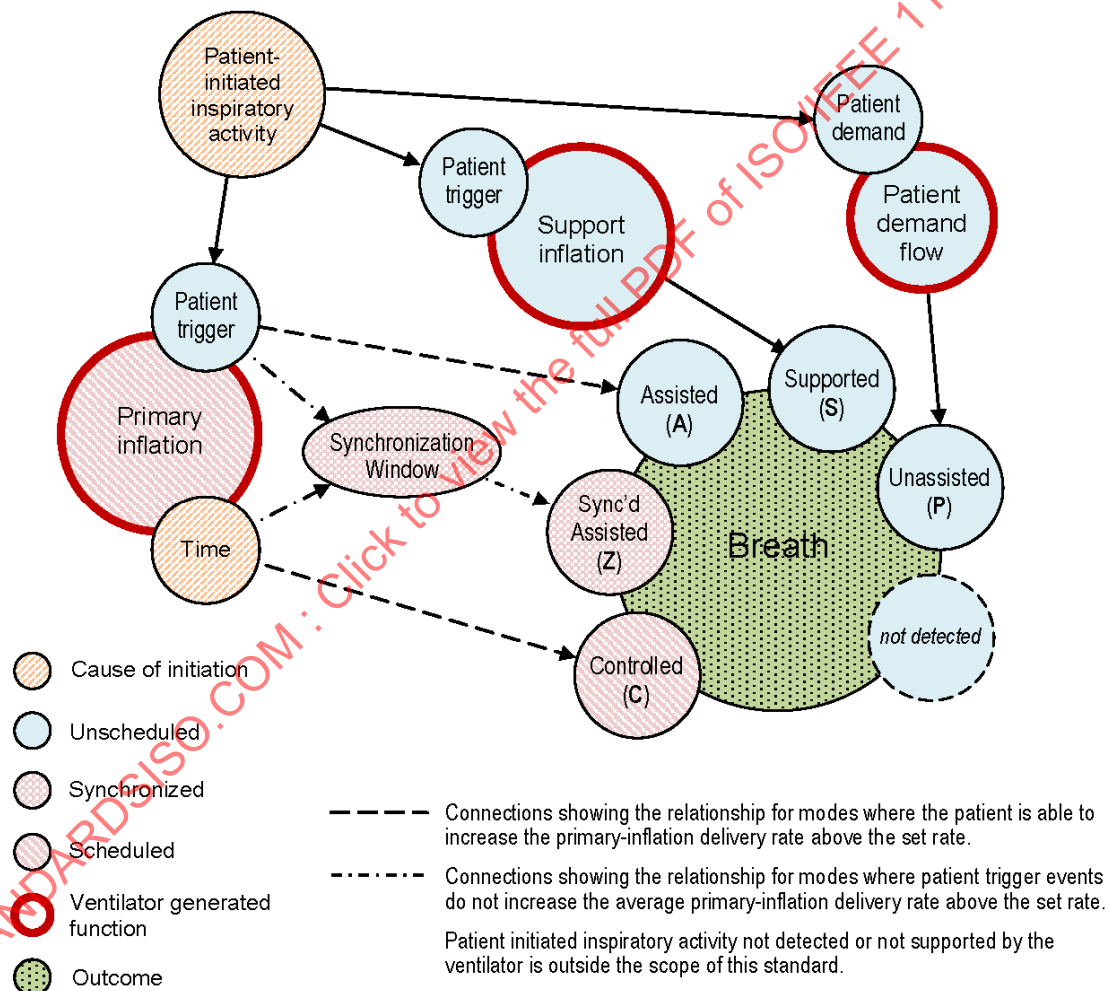


Figure A.7.4.2—Relationship between breaths and Inflations

The five breath type definitions are based the *initiation* of the breath (patient or ventilator) and its *intended delivery* – unassisted, *aka* **patient** (P), **support** (S), **assisted** (A), **synchronized assisted** (Z) or **controlled** (C). The five breath types are identified using the single-letter SD-codes { P, S, A, Z, C } that convey the start and intended delivery of the inspiratory phase of each breath or inflation. The SD-codes are defined in Table A.7.4.18.1.¹⁵

Table A.7.4.18.1—Inspiratory breath type classifications

SD	SD description and examples
P	The ventilator performs no action on behalf of the patient: breaths or inspiratory gas flow are initiated and terminated by the patient where pressure and flow/volume delivery are determined by the patient without support or assistance by the ventilator. Includes unassisted breaths that are superimposed on the intermittently elevated baseline pressure with APRV, bilevel or spontaneous-only modes (see Note 1).
S	Ventilator inflations or inspiratory gas flow that are initiated by the patient and that are intended to be terminated by the patient where the inspiratory pressure is raised above baseline to support some portion of the work of breathing (WOB). Includes proportional assist ventilation (PAV) where the ventilator provides a level of support proportional to patient effort. Includes supported breaths that are superimposed on the intermittently elevated baseline pressure with APRV, bilevel or spontaneous-only modes.
A	Primary inflations that are initiated by the patient at greater than the set rate (see Note 2). The associated breaths are classified as having been assisted by the inflation.
Z	Primary inflations that have been assured to be delivered at the average set rate but which are initiated by the patient within a timed synchronization window. The associated breaths are classified as having had synchronized assistance by the inflation.
C	Primary inflations that are initiated by the ventilator at the set rate. The resulting breaths are classified as being controlled by the inflation. This includes backup ventilation breaths, apnea ventilation breaths and APRV and bilevel baseline pressure changes.
NOTE 1—APRV (Airway Pressure Relief Ventilation) or bilevel refer to ventilation modes where the baseline pressure is changed from time to time while allowing the patient to initiate either unassisted or supported breaths superimposed above the current baseline pressure level.	
NOTE 2—A <i>primary inflation</i> is a ventilator inflation type that has been selected for assured delivery at or greater than the set rate according to the selected mode. The selected inflation type will be one that is intended to be terminated by the ventilator if not initiated by the patient.	

The SD-codes { P, S, A, Z, C } provide a concise notation that can describe a subset of one or more inspiratory breath or inflation types that are included in a breath rate or other calculation. In a real-time setting this information can be sent immediately after the beginning of the inspiratory phase since the start and intended delivery information are known at that time.

The “concurrency” of unassisted and support breaths that are superimposed above a baseline or mandatory inspiratory phase (and expiratory phase) can be determined if the end of the inspiratory phase is reported at a later time. Annex E (informative) provides examples of how the SD-codes can be used to calculate a variety of breath rates when this information is known.

The five breath types { P, S, A, Z, C } are encoded using two RefId ‘atoms’: the first is ‘_BTSD’, denoting ‘Breath Type Start Delivery’, and the second specifies one to five single-letter SD-codes { P, S, A, Z, C }. If a concurrency relationship between a P (patient breath) or S (support inflation) and an underlying A (assisted) or Z (synchronized assisted) or C (controlled) inflation is expressed, the P or S shall be prefaced by a lower-case ‘i’ to indicate the concurrency with respect to the underlying inspiratory phase of the A, Z or C inflation.

¹⁵ SD-codes are *not* intended to provide a complete breath-by-breath description; instead, they focus primarily on the patient and ventilator synchronization implied by the words “spontaneous” and “mandatory” and concurrency of a patient (P) or support (S) breath with respect to an underlying assisted (A) or controlled (C) primary inflation.

For example, using the base term MDC_VENT_RESP_RATE, the RefId for traditional ‘spontaneous’ breath rate is identified as MDC_VENT_RESP_BTSD_PS_RATE. Although legacy ‘spontaneous’ terms may be used when detailed { P, S, A, Z, C } information is not available, the newer ‘_BTSD’ breath and inflation types should be used whenever possible. Additional breath rate examples and { P, S, A, Z, C } encodings are provided in Annex E.

A.7.4.19 Nomenclature and codes

A.7.4.19.1 Gas identifiers

The gas concentration and partial pressure measurement identifiers are summarized in Table A.7.4.19.1. Gases and volatile anesthetic agents are used to identify columns. The first seven rows indicate the physiologic and clinical role for each gas or agent. The lower group of ‘MDC gas and phase’ rows indicate the supported gas measurements that can be obtained at the patient airway (AWAY), the gas delivery system (GASDLV), and gas consumption over a single case or the total over multiple cases.

Table A.7.4.19.1—Deployment of gas partial pressure and concentration and consumption information (informative)

Agents/Gases	Agent	Desflurane	Enflurane	Halothane	Isoflurane	Sevoflurane	N ₂ O	He	O ₂	CO ₂	Air	N ₂	Ar	He	NO	NO ₂	CO	Ethanol	CH ₄
Volatile Agents	•	•	•	•	•	•	•	•											
MAC Gas	•	•	•	•	•	•	•	•											
Balance Gas							•	•	•	•	•	•	•						
Metabolically Useful									•	•									
Metabolically Consumed									•										
Metabolically Produced									•										
Unwanted Gas													•			•	•	•	•
MDC gas and phase																			
MDC_CONC_AWAY_gas	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓			
MDC_CONC_AWAY_gas_ET	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓			
MDC_CONC_AWAY_gas_INSP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓			
MDC_CONC_AWAY_gas_EXP		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓			
MDC_CONC_GASDLV_gas		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓			
MDC_CONC_GASDLV_gas_INSP		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓			
MDC_CONC_GASDLV_gas_EXP		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓			
MDC_FLOW_gas_FG							✓		✓		✓								
MDC_PRESS_gas_SUPPLY							✓		✓		✓								
MDC_PRESS_gas_CYL							✓		✓ ¹²		✓								
MDC_VOL_DELIV_gas_CASE		✓	✓	✓	✓	✓	✓	✓	✓	✓									
MDC_VOL_DELIV_gas_TOTAL		✓	✓	✓	✓	✓	✓	✓	✓	✓									
MDC_VOL_DELIV_gas_LIQUID_CASE		✓	✓	✓	✓	✓													
MDC_VOL_DELIV_gas_LIQUID_TOTAL		✓	✓	✓	✓	✓													

A.7.4.19.2 Nomenclature and codes for respiratory, ventilator, and anesthesia measurements

Table A.7.4.19.2 defines nomenclature and codes for respiratory, ventilator, and anesthesia measurements. It includes respiratory, ventilator, and anesthesia terms that were originally defined in Table A.7.4.1 of IEEE Std 11073-10101-2004 as well as new terms defined since its publication.

Table A.7.4.19.2 also introduces several new conventions for RefId construction to support reporting of gas concentration and partial pressure and for supporting numeric observations such as breath rate, minute volume, and tidal volume that are based on a subset of breath types. It also defines several new RefId 'synonyms' to support new conventions for their construction and to improve clarity.

A.7.4.19.3 Deprecation of nomenclature including unit of measure

Table A.7.4.20.1 and Table A.7.4.21.1 identify terms from IEEE Std 11073-10101-2004 that are *not* recommended for new implementations, again with the goal of supporting a more systematic and contemporary treatment of ventilator terminology. For example, units-of-measure are assumed to be conveyed by a separate attribute, eliminating the need for separate observation identifiers for partial pressure (e.g., kPa or mm[Hg]) or concentration (% or {vol}%).

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Respiratory Rates – method specific					
Respiration NOS Breath Breathing	Respiration		Breathing, method not specified.	MDC_RESP	2::20480
Rate NOS Breath Breathing	Respiration rate	RR	Rate of breathing; method not specified.	MDC_RESP_RATE	2::20490
Respiration Breath Patient, Spontaneous	Spontaneous respiration (legacy devices and systems)		Spontaneous respiration, breaths initiated and terminated by the patient where pressure and flow/volume delivery are determined by the patient without support or assistance by a ventilator. [This term may be used with legacy devices and systems where the precise definition of 'spontaneous' is unknown; otherwise, the more precise term MDC_RESP_BTSD_PS_RATE should be used.]	MDC_RESP_SPONT	2::20592
Rate Breath Patient, Spontaneous	Spontaneous respiration rate (legacy devices and systems)	RR	Spontaneous respiration rate, the rate of breaths initiated and terminated by the patient where pressure and flow/volume delivery are determined by the patient without support or assistance by a ventilator. [This term may be used with legacy devices and systems where the precise definition of 'spontaneous' is unknown; otherwise, the more precise term MDC_RESP_BTSD_PS_RATE should be used.]	MDC_RESP_SPONT_RATE	2::20594

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Respiration Breath Patient, Spontaneous	Spontaneous respiration (preferred)		Spontaneous respiration, breaths or inspiratory gas flow initiated by the patient where flow and/or volume is determined by the patient and are delivered with the intention that the breath will be terminated by the patient.	MDC_RESP_BTSD_PS	2::20600
Rate Breath Patient, Spontaneous	Spontaneous respiration rate (preferred)	RR	Spontaneous respiration rate, the rate of breaths or inspiratory gas flow initiated by the patient where flow and/or volume is determined by the patient and are delivered with the intention that the breath will be terminated by the patient.	MDC_RESP_BTSD_PS_RATE	2::20602
Respiration Breath Patient, Idiopathic			Idiopathic trigger of breathing.	MDC_ID_TRIG_BREATH	2::53253
Respiration Airway Breath Breathing	Respiration		Breathing; direct airway flow measurement.	MDC_AWAY_RESP	2::20496
Rate Airway Breath Breathing	Respiration rate	RR	Rate of breathing; method: direct airway flow measurement.	MDC_AWAY_RESP_RATE	2::20498
Respiration Pressure Breath Breathing	Respiration		Breathing; method: non-airway pressure measurement, e.g., central venous blood pressure (CVP).	MDC_PRESS_RESP	2::20528
Rate Pressure Breath Breathing	Respiration rate	RR	Rate of breathing; method: non-airway pressure measurement, e.g., central venous blood pressure (CVP).	MDC_PRESS_RESP_RATE	2::20530
Respiration CO2 Breath Breathing	Respiration		Breathing; method: carbon dioxide measurement.	MDC_CO2_RESP	2::20520
Rate CO2 Breath Breathing	Respiration rate	RR	Rate of breathing; method: carbon dioxide measurement.	MDC_CO2_RESP_RATE	2::20522
Waveform CO2 Breath Ventilator	Ventilation		Mechanical ventilation; method: carbon dioxide concentration measurement. [This refers to the CO2 respiration measured by the ventilator.]	MDC_VENT_CO2_RESP	2::20536
Rate CO2 Breath Ventilator	Ventilation rate		Rate of mechanical ventilation; method: carbon dioxide concentration measurement. [This refers to the CO2 respiration rate measured by the ventilator and is neither the set ventilator rate nor the ventilator inflation rate; it can include unassisted spontaneous breaths as well.]	MDC_VENT_CO2_RESP_RATE	2::20538
Respiration Acoustic Breath Breathing	Acoustic Respiration		Breathing; method: acoustic.	MDC_ACOUSTIC_RESP	2::20576
Rate Acoustic Breath Breathing	Acoustic Respiration Rate	RR-a	Rate of breathing; method: acoustic.	MDC_ACOUSTIC_RESP_RATE	2::20578

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Respiration Plethysmographic Breath Breathing	Plethysmographic Respiration		Breathing; method: SpO2 plethysmography.	MDC_PULS_OXIM_PLETH_RESP	2::20584
Rate Plethysmographic Breath Breathing	Plethysmographic Rate	RR-p	Rate of breathing; method: SpO2 plethysmography.	MDC_PULS_OXIM_PLETH_RESP_RATE	2::20586
Waveform Trans thoracic Breath Breathing	Respiration		Breathing; method: trans thoracic impedance variations.	MDC_TTHOR_RESP	2::20504
Rate Trans thoracic Breath Breathing	Respiration rate	RR	Rate of breathing; method: trans thoracic impedance variations.	MDC_TTHOR_RESP_RATE	2::20506
Electrical Impedance Trans thoracic Respiration Breathing	Trans thoracic Impedance	Z ₀	Trans thoracic measurement of electrical impedance (influenced by respiration and other factors).	MDC_IMPED_TTHOR	2::20708
Ventilator Respiratory and Inflation Rates					
Waveform NOS Breath Ventilator	Ventilation		Mechanical ventilation; method not specified.	MDC_VENT_RESP	2::20512
Rate NOS Breath Ventilator	Ventilation rate	RR	Rate of mechanical ventilation; method not specified.	MDC_VENT_RESP_RATE	2::20514
Rate Displayed or Actual Breath Ventilator, Setting	Set inflation rate	set RR	Displayed minimum and/or actual ventilator rate setting; may be mode dependent.	MDC_VENT_RESP_RATE_SETTING	258::20514
Rate Minimum assured Breath Ventilator, Setting	Minimum assured ventilation inflation rate setting		Minimum assured ventilator-initiated inflation rate, e.g., in continuous mandatory ventilation or assist/mandatory ventilation mode.	MDC_VENT_RESP_RATE_MIN_SETTING	258::20516
Rate Average Breath Ventilator, Setting	Average ventilation rate setting		Average ventilator-initiated inflation rate, e.g., in Synchronized Intermittent Mandatory Ventilation (SIMV) ventilation mode.	MDC_VENT_RESP_RATE_MEAN_SETTING	258::20517
Rate Target, Calculated Breath Ventilator, all breath and inflation types	Target respiratory rate	target RR	The ventilator calculated target respiratory rate typically used to achieve a desired minute volume or other objective.	MDC_VENT_RESP_TARGET_AUTO_RATE	2::21490
Waveform Backup Breath Ventilator	Backup ventilation		Ventilation in modes that support spontaneous breaths.	MDC_VENT_RESP_BACKUP_P	2::21408
Rate Backup Breath Ventilator	Backup ventilation rate		Minimum assured ventilation rate in modes that support spontaneous breaths.	MDC_VENT_RESP_BACKUP_P_RATE	2::21410
Rate Backup Breath Ventilator, Setting	Backup ventilation rate setting		Apnea (backup) rate, e.g., in CSV mode.	MDC_VENT_RESP_BACKUP_P_RATE_SETTING	258::21410

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Waveform NOS Breath Ventilator and Patient, total breathing, all breath types	Total respiratory; total breathing rate		Total breathing or inspiratory gas flow comprised of unassisted (P), supported (S), assisted (A), synchronized assisted (Z) and controlled (C) breath types.	MDC_VENT_RESP_BTSD_PSAZC	2::21416
Rate NOS Breath Ventilator and Patient, total breath rate, all breath types	Total respiratory rate; total breath rate		Total rate of breaths or inspiratory gas flow comprised of unassisted (P), supported (S), assisted (A), synchronized assisted (Z) and controlled (C) breath types.	MDC_VENT_RESP_BTSD_PSAZC_RATE	2::21418
Rate NOS Breath Ventilator and Patient, patient-initiated breaths, unassisted by ventilator breaths	Unassisted spontaneous breath rate; respiration rate		Rate of breaths or inspiratory gas flow initiated and terminated by the patient where pressure and flow/volume delivery are determined by the patient without support or assistance by the ventilator. Includes unassisted breaths that are superimposed on the intermittently elevated baseline pressure with APRV, bilevel or spontaneous-only modes.	MDC_VENT_RESP_BTSD_P_RATE	2::21426
Rate NOS Breath Ventilator and Patient, patient-initiated breaths, delivered as supported breaths	Supported breath rate		Rate of inflations or inspiratory gas flow initiated by the patient and that are intended to be terminated by the patient where the inspiratory pressure is raised above baseline to support some portion of the work of breathing (WOB). Includes proportional assist ventilation (PAV) where the ventilator provides a level of support proportional to patient effort. Includes supported breaths that are superimposed on the intermittently elevated baseline pressure with APRV, bilevel or spontaneous-only modes.	MDC_VENT_RESP_BTSD_S_RATE	2::21434
Rate NOS Breath Ventilator and Patient, patient-initiated primary inflations at a rate greater than set rate, delivered as assisted breaths	Assisted breath rate		Rate of primary inflations initiated by the patient at greater than the set rate. The associated breaths are classified as having been assisted by the inflation.	MDC_VENT_RESP_BTSD_A_RATE	2::21442
Rate NOS Breath Ventilator and Patient, patient-initiated primary inflations within a time synchronization window, delivered as synchronized assisted breaths	Synchronized assisted breath rate		Rate of primary inflations that have been assured to be delivered at the average set rate but are initiated by the patient within a timed synchronization window. The associated breaths are classified as having had synchronized assistance by the inflation.	MDC_VENT_RESP_BTSD_Z_RATE	2::21450
Rate NOS Breath Ventilator and Patient, primary inflations initiated by the ventilator at the set rate, delivered as controlled breaths	Controlled breath rate		Rate of primary inflations that are initiated by the ventilator at the set rate. These breaths are classified as being controlled by the inflation. This includes backup safety breaths, apnea ventilation breaths and APRV and bilevel baseline pressure changes.	MDC_VENT_RESP_BTSD_C_RATE	2::21458

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Rate NOS Breath Ventilator and Patient, unassisted and supported breaths	Spontaneous respiration rate (traditional)		Rate of breaths or inspiratory gas flow initiated by the patient where flow and/or volume is determined by the patient and is delivered with the intention that the breath will be terminated by the patient. Includes unassisted and supported breaths that are superimposed on the intermittently elevated baseline pressure with APRV, bilevel or spontaneous-only modes.	MDC_VENT_RESP_BTSD_PS_RATE	2::21466
Rate NOS Breath Ventilator and Patient, delivered as assisted, synchronized assisted or controlled breaths by ventilator.	Mandatory respiration rate (traditional)		Rate of breaths or inspiratory gas flow that are delivered as assisted, synchronized assisted or controlled breaths by the ventilator, at an average or minimum rate set by the ventilator.	MDC_VENT_RESP_BTSD_AZC_RATE	2::21474
Rate NOS Breath Ventilator and Patient, patient-initiated breaths, unassisted or delivered as supported, assisted or synchronized assisted breaths.	Patient-initiated breath rate		Rate of breaths or inspiratory gas flow initiated by the patient that are unassisted or delivered as supported, assisted or synchronized assisted breaths.	MDC_VENT_RESP_BTSD_PSAZ_RATE	2::21482
Waveform Volume/Flow Breath Ventilator	Ventilation		Mechanical ventilation, method: volume/flow relation (comment: pediatric).	MDC_VENT_FLOW_RESP	2::20552
Rate Volume/Flow Breath Ventilator	Ventilation rate		Rate of mechanical ventilation, method: volume/flow relation (comment: pediatric).	MDC_VENT_FLOW_RESP_RATE	2::20554
Waveform Pressure Breath Ventilator	Ventilation		Mechanical ventilation, method: pressure measurement.	MDC_VENT_PRESS_RESP	2::20544
Rate Pressure Breath Ventilator	Ventilation rate		Rate of mechanical ventilation, method: pressure measurement.	MDC_VENT_PRESS_RESP_RATE	2::20546
Occurrence SighMultiple Ventilator	Ventilation multiple sigh		Multiple sigh during mechanical ventilation.	MDC_VENT_SIGH_MULT	2::20568
Rate SighMultiple Ventilator	Ventilation multiple sigh number		Number of multiple sighs delivered per minute during mechanical ventilation.	MDC_VENT_SIGH_MULT_RATE	2::20570
Occurrence Sigh Ventilator	Ventilation sigh		Sigh during mechanical ventilation.	MDC_VENT_SIGH	2::20560
Rate Sigh Ventilator	Ventilation sigh number		Number of sighs delivered per minute during mechanical ventilation.	MDC_VENT_SIGH_RATE	2::20562
Phase and Time Intervals					
Duration Inspiratory Phase Gas Breath	Inspiratory time	T _{insp}	Duration of an inspiratory phase.	MDC_TIME_PD_INSP	2::21536
Duration Expiratory Phase Gas Breath	Expiratory time	T _{exp}	Duration of an expiratory phase.	MDC_TIME_PD_EXP	2::21540

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Duration Inspiratory phase Inflation Ventilator	Inspiratory time	T _{insp}	Duration of the inflation phase if time-terminated.	MDC_VENT_TIME_PD_INS_P	2::21344
Duration Inspiratory phase Inflation Ventilator	Inspiratory time	T _{insp}	Duration of the inflation phase if time-terminated.	MDC_VENT_TIME_PD_PPV	2::21344
Duration Inspiratory phase Inflation Ventilator, Setting	Inspiratory time setting			MDC_VENT_TIME_PD_INS_P_SETTING	258::21344
Duration, ratio Inspiratory phase, total respiratory period Inflation Ventilator	Inspiratory time percent	T _{insp} %	Duration of the inflation phase if time-terminated, expressed as a percent-ratio of the total respiratory period.	MDC_VENT_TIME_PD_INS_P_PERCENT	2::21532
Duration, ratio Inspiratory phase, total respiratory period Inflation Ventilator, Setting	Inspiratory time percent setting			MDC_VENT_TIME_PD_INS_P_PERCENT_SETTING	258::21532
Duration, maximum Inspiratory phase Inflation Ventilator, Setting	Maximum inspiratory time setting		The maximum inspiratory time to deliver a pressure-controlled or operator-set tidal volume inflation.	MDC_VENT_TIME_PD_INS_P_MAX_SETTING	258::21345
Duration Inspiratory phase Inflation, Backup Ventilator	Backup inspiratory time	Backup T _{insp}	The duration of the inspiratory phase for controlled (primary) inflations when a backup inflation is delivered.	MDC_VENT_TIME_PD_INS_P_BACKUP	2::21544
Duration Inspiratory phase Inflation, Backup Ventilator, Setting	Backup inspiratory time setting			MDC_VENT_TIME_PD_INS_P_BACKUP_SETTING	258::21544
Duration Inspiratory phase Pressure support inflation Ventilator	Pressure support time	T _{supp}	The inspiratory time for a pressure-supported breath.	MDC_VENT_TIME_PD_SUP_P	2::21548
Duration, maximum Inspiratory phase Pressure support inflation Ventilator	Maximum pressure support time	T _{supp} (maximum)	The maximum inspiratory time for a pressure-supported breath.	MDC_VENT_TIME_PD_SUP_P_MAX	2::21549
Duration, maximum Inspiratory phase Pressure support inflation Ventilator, Setting				MDC_VENT_TIME_PD_SUP_P_MAX_SETTING	258::21549
Duration Inspiratory pause end inspiratory flow to start expiratory flow Ventilator		T _{pause}	Interval from the end of inspiratory flow to the start of expiratory flow during unassisted spontaneous breathing and pressure-regulated inflations, expressed as a time duration.	MDC_VENT_TIME_PD_INS_P_PAUSE	2::21552
Duration Inspiratory pause end inspiratory flow to start expiratory flow Ventilator, Setting			Interval from the end of inspiratory flow to the start of expiratory flow during volume-control (VC) inflations, expressed as a time duration.	MDC_VENT_TIME_PD_INS_P_PAUSE_SETTING	258::21552

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Duration, ratio Inspiratory pause, inspiratory phase end inspiratory flow to start expiratory flow Ventilator		T _{pause} %	Interval from the end of inspiratory flow to the start of expiratory flow during unassisted spontaneous breathing and pressure-regulated inflations, expressed as a percentage of the duration of the inspiratory phase.	MDC_VENT_TIME_PD_INS_P_PAUSE_PERCENT	2::21556
Duration, ratio Inspiratory pause, inspiratory phase end inspiratory flow to start expiratory flow Ventilator, Setting			Interval from the end of inspiratory flow to the start of expiratory flow during volume-control (VC) inflations, expressed as a percentage of the duration of the inspiratory phase.	MDC_VENT_TIME_PD_INS_P_PAUSE_PERCENT_SETTING	258::21556
Duration Expiratory pause end expiratory flow to start inspiratory flow Ventilator			Duration of the expiratory phase from the end of expiratory flow to the start of inspiratory flow.	MDC_VENT_TIME_PD_EXP_PAUSE	2::20612
Duration Inspiratory hold temporarily maintain constant lung volume (zero flow) at end inspiratory or inflation phase Ventilator		T _{hold}	The duration of an inspiratory hold, a ventilator function intended to temporarily maintain a constant lung volume, or to maintain a constant airway pressure, at the end of an inspiratory or inflation phase.	MDC_VENT_TIME_PD_INS_P_HOLD	2::21560
Duration Inspiratory hold temporarily maintain constant lung volume (zero flow) at end inspiratory or inflation phase Ventilator, Setting				MDC_VENT_TIME_PD_INS_P_HOLD_SETTING	258::21560
Duration Expiratory hold temporarily maintain constant lung volume (zero flow) at set extension of the expiratory phase Ventilator			Duration for an expiratory hold, a ventilator function intended to temporarily maintain a constant lung volume during a set extension of the expiratory phase.	MDC_VENT_TIME_PD_EXP_HOLD	2::21564
Duration Expiratory hold temporarily maintain constant lung volume (zero flow) at set extension of the expiratory phase Ventilator, Setting				MDC_VENT_TIME_PD_EXP_HOLD_SETTING	258::21564
Ratio Duration(InspiratoryPhase), Duration(ExpiratoryPhase) Gas Breathing	Ratio inspiration expiration time	T _I /T _E , I:E ratio	Ratio of durations of inspiratory and expiratory phases.	MDC_RATIO_IE	2::20760
Ratio Duration(InspiratoryPhase), Duration(ExpiratoryPhase) Gas Ventilator, Setting				MDC_RATIO_IE_SETTING	258::20760

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name ¹⁶	Common term	Acronym	Description/Definition	RefId	Part::Code
Ratio Duration (ExpiratoryPhase), Gas Duration (InspiratoryPhase) Gas Breath	Ratio expiration inspiration time	TE/TI, E:I ratio	Ratio of durations of expiratory and inspiratory phases.	MDC_RATIO_EI	2::22408
Ratio Duration (ExpiratoryPhase), Gas Duration (InspiratoryPhase) Gas Breath, Setting	Ratio expiration inspiration time setting.	TE/TI, E:I ratio setting	Ratio of durations of expiratory and inspiratory phases (setting, or reflecting the setting of other expiratory and/or inspiratory duration settings).	MDC_RATIO_EI_SETTING	258::22408
Ratio, Duration InspiratoryTime, TotalRespiratoryCycleTime Flow Gas, Airway	Inspiratory Percent		Inspiratory time divided by the total respiratory cycle time, expressed as a percent.	MDC_RATIO_INSP	2::21568
Duration High baseline pressure APRV or Bi-Level modes Ventilator	Thigh	Thigh	The time duration that the ventilator holds the high (inspiratory) baseline pressure level in APRV or Bi-Level modes.	MDC_VENT_TIME_PD_INS_P_THIGH	2::21572
Duration High baseline pressure APRV or Bi-Level modes Ventilator, Setting				MDC_VENT_TIME_PD_INS_P_THIGH_SETTING	258::21572
Duration Low baseline pressure APRV or Bi-Level modes Ventilator	Tlow	Tlow	The time duration that the ventilator holds the low (expiratory) baseline pressure level in APRV or Bi-Level modes.	MDC_VENT_TIME_PD_EXP_TLOW	2::21576
Duration Low baseline pressure APRV or Bi-Level modes Ventilator, Setting				MDC_VENT_TIME_PD_EXP_TLOW_SETTING	258::21576
Duration Inspiratory Phase, Normalized by smaller of Duration (InspiratoryPhase), Duration (ExpiratoryPhase) Gas Breath	Inspiratory part of I:E ratio	I part of I:E	Duration of an inspiratory phase normalized by the smaller of the duration of the inspiratory phase and the duration of the expiratory phase. ¹⁶ Example: if I:E = 1:3, $I_{part} = 1$ ($T_I \leq T_E$) Example: if I:E = 1:0.33, $I_{part} = 3$ ($T_I > T_E$)	MDC_TIME_PD_INSP_NORMALIZED	2::22412
Duration Expiratory Phase, Normalized by smaller of Duration (InspiratoryPhase), Duration (ExpiratoryPhase) Gas Breath	Expiratory part of I:E ratio	E part of I:E	Duration of an expiratory phase normalized by the smaller of the duration of the inspiratory phase and the duration of the expiratory phase. [1] Example: if I:E = 1:3, $E_{part} = 3$ ($T_I < T_E$) Example: if I:E = 1:0.33, $E_{part} = 1$ ($T_E \leq T_I$)	MDC_TIME_PD_EXP_NORMALIZED	2::22416

¹⁶ The "normalized" inspiratory and expiratory values MDC_TIME_PD_INSP_NORMALIZED and MDC_TIME_PD_EXP_NORMALIZED should both be reported to enable calculation of the I:E ratio, regardless of whether the I:E ratio is above or below unity.

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name ¹⁷	Common term	Acronym	Description/Definition	RefId	Part::Code
Duration Inspiratory Phase, Normalized by smaller of Duration(InspiratoryPhase), Duration(ExpiratoryPhase) Gas Breath, unassisted or supported (aka spontaneous)	Inspiratory part of I:E ratio for unassisted or supported (aka spontaneous) breaths	I part of I:E spont	Duration of an inspiratory phase normalized by the smaller of the duration of the inspiratory phase and the duration of the expiratory phase of an unassisted or supported (aka spontaneous) breath. ¹⁷ <i>Example: if I:E = 1:3, I_{part} = 1 (T_i ≤ T_e)</i> <i>Example: if I:E = 1:0.33, I_{part} = 3 (T_e < T_i)</i>	MDC_TIME_PD_INSP_NOR MALIZED_PS	2::22420
Duration Expiratory Phase, Normalized by smaller of Duration(InspiratoryPhase), Duration(ExpiratoryPhase) Gas Breath, unassisted or supported (aka spontaneous)	Expiratory part of I:E ratio for unassisted or supported (aka spontaneous) breaths	E part of I:E spont	Duration of an expiratory phase normalized by the smaller of the duration of the inspiratory phase and the duration of the expiratory phase for unassisted or supported (aka spontaneous) breaths. [1] <i>Example: if I:E = 1:3, E_{part} = 3 (T_i < T_e)</i> <i>Example: if I:E = 1:0.33, E_{part} = 1 (T_e ≤ T_i)</i>	MDC_TIME_PD_EXP_NOR MALIZED_PS	2::22424
Duration Inspiratory Phase, Normalized by smaller of Duration(InspiratoryPhase), Duration(ExpiratoryPhase) Gas Breath, during high frequency ventilation	Inspiratory part of I:E ratio of during high frequency ventilation	I part of I:E hf	Duration of an inspiratory phase normalized by the smaller of the duration of the inspiratory phase and the duration of the expiratory phase, during high frequency ventilation. ¹⁸ <i>Example: if I:E = 1:3, I_{part} = 1 (T_i ≤ T_e)</i> <i>Example: if I:E = 1:0.33, I_{part} = 3 (T_e < T_i)</i>	MDC_TIME_PD_INSP_NOR MALIZED_HF	2::22428
Duration Expiratory Phase, Normalized by smaller of Duration(InspiratoryPhase), Duration(ExpiratoryPhase) Gas Breath, during high frequency ventilation	Expiratory part of I:E ratio during high frequency ventilation	E part of I:E hf	Duration of an expiratory phase normalized by the smaller of the duration of the inspiratory phase and the duration of the expiratory phase, during high frequency ventilation. [1] <i>Example: if I:E = 1:3, E_{part} = 3 (T_i < T_e)</i> <i>Example: if I:E = 1:0.33, E_{part} = 1 (T_e ≤ T_i)</i>	MDC_TIME_PD_EXP_NOR MALIZED_HF	2::22432
Duration Inspiratory Phase Gas Airway, per unassisted or supported (aka spontaneous) breath	Inspiratory time for unassisted or supported (aka spontaneous) breaths	T _{insp} spont	Duration of an inspiratory phase for unassisted or supported (aka spontaneous) breaths.	MDC_TIME_PD_INSP_BTSD_PS	2::22436
Airway Measured Flow					
Flow Gas Breathing	Airway flow	$\dot{V}$	Gas flow in airway.	MDC_FLOW_AWAY	2::20692
Flow Expiration Gas	Expiratory airway	$\dot{V}_E$	Expiratory gas flow.	MDC_FLOW_AWAY_EXP	2::20696

¹⁷ The "normalized" inspiratory and expiratory values MDC_TIME_PD_INSP_NORMALIZED_PS and MDC_TIME_PD_EXP_NORMALIZED_PS should both be reported to enable calculation of the I:E ratio, regardless of whether the I:E ratio is above or below unity.¹⁸ The "normalized" inspiratory and expiratory values MDC_TIME_PD_INSP_NORMALIZED_HF and MDC_TIME_PD_EXP_NORMALIZED_HF should both be reported to enable calculation of the I:E ratio, regardless of whether the I:E ratio is above or below unity.

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Flow Expiration, Maximum Gas	Expiratory maximum airway flow	$\dot{V}_{E\max}$	Maximum expiratory gas flow.	MDC_FLOW_AWAY_EXP_MAX	2::20697
Flow Gas Airway Inspiratory	Inspiratory airway flow	$\dot{V}_i$	Inspiratory gas flow in airway.	MDC_FLOW_AWAY_INSP	2::20700
Flow Inspiratory, Maximum Gas	Inspiratory maximum airway flow	$\dot{V}_{i\max}$	Maximum inspiratory gas flow.	MDC_FLOW_AWAY_INSP_MAX	2::20701
Ventilator Measured Flow and Settings					
Flow Gas Ventilator	Ventilator airway flow	$\dot{V}_v$	Airway flow measured at the ventilator.	MDC_VENT_FLOW	2::20868
Flow Expiration Gas Ventilator	Ventilation expiratory flow	$\dot{V}_{E, \text{Flow exp}}$	Expiratory gas flow during mechanical ventilation.	MDC_VENT_FLOW_EXP	2::20872
Flow Expiration, Maximum Gas Ventilator	Ventilation expiratory maximum flow	$\dot{V}_{E\max, \text{Flow exp}}$	Maximum expiratory gas flow during mechanical ventilation.	MDC_VENT_FLOW_EXP_MAX	2::20873
Flow Inspiration Gas Ventilator	Ventilation inspiratory flow	$\dot{V}_i, \text{Flow insp}$	Inspiratory gas flow in airway during mechanical ventilation.	MDC_VENT_FLOW_INSP	2::20876
Flow Inspiration Gas Ventilator, Setting	Inspiratory flow setting			MDC_VENT_FLOW_INSP_SETTING	258::20876
Flow Inspiration, Maximum Gas Ventilator	Ventilation inspiratory maximum flow	$\dot{V}_{i\max, \text{Flow insp}}$	Maximum inspiratory gas flow during mechanical ventilation.	MDC_VENT_FLOW_INSP_MAX	2::20877
Flow Bias Gas Ventilator	Bias flow	Bias flow	The continuous flow that is circulated through the patient circuit but is not intended to contribute to the work of ventilation. Generally refers to a low-level flow that improves the responsiveness and accuracy of the ventilator's control and detection systems and to minimize rebreathing of expired gas.	MDC_VENT_FLOW_BIAS	2::21580
Flow Bias Gas Ventilator, Setting				MDC_VENT_FLOW_BIAS_SETTING	258::21580
Flow Continuous Gas Ventilator	Continuous flow		A continuous flow that passes through the ventilator breathing system, with a proportion intermittently passing to the patient's lung (e.g., whenever the airway pressure is raised by a pressure-controlled occlusion of the expiratory valve).	MDC_VENT_FLOW_CONTINUOUS	2::21584

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Flow Continuous Gas Ventilator, Setting				MDC_VENT_FLOW_CONTINUOUS_SETTING	258::21584
Tidal volume (airway and ventilator)					
Volume gas Lung, Tidal Breathing	Respiratory tidal volume	VT	Volume of gas leaving the patient through the patient connection port during an expiratory phase.	MDC_VOL_AWAY_TIDAL	2::20796
Volume gas per body mass Lung, Tidal Breathing	Tidal volume per body mass	VT/kg	Volume of gas leaving the patient through the patient connection port, normalized by the patient's ideal body weight (typ kg), reported individually or as an average for all breath types.	MDC_VOL_AWAY_TIDAL_P ER_IBW	2::22136
Volume gas per body mass Lung, Tidal Breathing, Setting		set VT/kg		MDC_VOL_AWAY_TIDAL_P ER_IBW_SETTING	258::22316
Volume Lung, Tidal, Inspiratory Phase airway, per breath (breath type not specified; default = any)	Inspired Tidal Volume	VT _{insp}	Volume of inspired gas during each breath, breath type(s) not specified.	MDC_VOL_AWAY_TIDAL_I NSP	2::21588
Volume Lung, Tidal, Inspiratory Phase airway, per assisted, synchronized assisted or controlled inflation	Inspired Tidal Volume for assisted, synchronized assisted or controlled (aka mandatory) breaths	VT _{insp mand}	Volume of inspired gas for assisted, synchronized assisted or controlled (aka mandatory) breaths.	MDC_VOL_AWAY_TIDAL_I NSP_BTSD_AZC	2::22400
Volume Lung, Tidal, Inspiratory Phase airway, per unassisted or supported breath	Inspired Tidal Volume for unassisted or supported (aka spontaneous) breaths	VT _{insp spont}	Volume of inspired gas for unassisted or supported (aka spontaneous) breaths.	MDC_VOL_AWAY_TIDAL_I NSP_BTSD_PS	2::22404
Volume Lung, Tidal, Expiratory Phase airway, per breath (breath type not specified; default = any)	Expired Tidal Volume	VT _{exp}	Volume of expired gas for each breath, breath type(s) not specified. [This term may be used with legacy devices and systems where the breath types are unknown; otherwise, the more precise term MDC_VOL_AWAY_TIDAL_EXP_BTSD_PSAZC should be used.]	MDC_VOL_AWAY_TIDAL_E XP	2::21592
Volume Lung, Tidal, Expiratory Phase airway, per breath, all breath and inflation types.	Expired Tidal Volume (for all breath types)	VT _{exp}	Volume of expired gas for all breath and inflation types, reported individually or as an average.	MDC_VOL_AWAY_TIDAL_E XP_BTSD_PSAZC	2::21600

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Volume per BodyMass Lung, Tidal, Expiratory Phase airway, per breath, all breath and inflation types.	Expired Tidal Volume per body mass (for all breath types)	VTexp/kg	Volume of expired gas for all breath and inflation types, normalized by the patient's ideal body weight (<i>typ</i> kg), reported individually or as an average.	MDC_VOL_AWAY_TIDAL_E XP_BTSD_PSAZC_PER_IBW MDC_VOL_AWAY_TIDAL_E XP_PER_IBW	2::21596
Volume Lung, Tidal, Expiratory Phase airway, per unassisted or supported breath	Expired Tidal Volume for unassisted or supported (aka spontaneous) breaths	VTexp spont	Volume of expired gas for unassisted or supported (aka spontaneous) breaths.	MDC_VOL_AWAY_TIDAL_E XP_BTSD_PS	2::21604
Volume per BodyMass Lung, Tidal, Expiratory Phase airway, per unassisted or supported breath	Expired Tidal Volume for unassisted or supported (aka spontaneous) breaths per body mass	VTexp/kg spont	Volume of expired gas for unassisted or supported (aka spontaneous) breaths, normalized by the patient's ideal body weight (<i>typ</i> kg).	MDC_VOL_AWAY_TIDAL_E XP_BTSD_PS_PER_IBW	2::21612
Volume Lung, Tidal, Expiratory Phase airway, per assisted, synchronized assisted or controlled inflation	Expired Tidal Volume for assisted, synchronized assisted or controlled (aka mandatory) breaths	VTexp mand	Volume of expired gas for assisted, synchronized assisted or controlled (aka mandatory) breaths.	MDC_VOL_AWAY_TIDAL_E XP_BTSD_AZC	2::21608
Volume Lung, Tidal Ventilator	Ventilation tidal volume	VT	Volume of gas delivered through the patient-connection port during a respiratory cycle.	MDC_VENT_VOL_TIDAL	2::20908
Volume Lung, Tidal Ventilator, Setting	Tidal volume setting	set VT		MDC_VENT_VOL_TIDAL_SETTING	258::20908
Volume Target, Calculated Lung, Tidal Ventilator, all breath and inflation types	Target tidal volume	target VT	The ventilator calculated target volume of gas delivered to the patient.	MDC_VENT_VOL_TIDAL_TARGET_AUTO	2::22140
Volume Lung, Tidal, Inflation, Backup Ventilator	Backup tidal volume	Backup VT	The volume of gas delivered to the patient when a backup inflation is delivered.	MDC_VENT_VOL_TIDAL_BACKUP	2::22144
Volume Lung, Tidal, Inflation, Backup Ventilator, Setting	Backup tidal volume setting			MDC_VENT_VOL_TIDAL_BACKUP_SETTING	258::22144
Volume Lung, Tidal, Inspiratory Phase Ventilator	Inspired tidal volume (vent)	VTinsp (vent)	Volume of inspired gas during ventilator inflations.	MDC_VENT_VOL_TIDAL_INSP	2::22148
Volume Lung, Tidal, Inspiratory Phase Ventilator, Setting	Inspired tidal volume setting	set VTinsp		MDC_VENT_VOL_TIDAL_INSP_SETTING	258::22148

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Volume, minimum Lung, Tidal, Inspiratory Phase Ventilator, Setting	Minimum inspired tidal volume setting	set min VT _{insp}	Minimum volume of inspired gas during ventilator inflations.	MDC_VENT_VOL_TIDAL_IN_SP_MIN_SETTING	258::22150
Volume Delivered Inspiratory phase for a single respiratory cycle Through gas outlet port	Ventilator delivered volume	V _{DelVent}	Net volume of gas delivered to the gas output port during a single inspiratory or inflation phase.	MDC_VENT_VOL_TIDAL_D_ELIV	2::22480
Volume Delivered Inspiratory phase for a single respiratory cycle Through gas outlet port, setting	Ventilator delivered volume setting	V _{DelVent} setting	Net volume of gas delivered to the gas output port during a single inspiratory or inflation phase, setting.	MDC_VENT_VOL_TIDAL_D_ELIV_SETTING	258::22480
Volume Proximal gas leaked per single respiratory cycle at the airway device interface with the patient	Leakage tidal volume at the interface with the patient	V _{TLeak}	Volume of gas lost between the measurement of the volume passing to the patient and the measurement of the corresponding expired tidal volume due to leakage at the interface with the patient during a respiratory cycle.	MDC_VENT_VOL_TIDAL_L_EAK_PI	2::22484
Minute volume (airway and ventilator, units = volume/minute)					
Flow OneMinute Gas Breathing	Minute volume	$\dot{V}$, MV	Total volume of gas breathed in 1 min.	MDC_VOL_MINUTE_AWAY	2::20808
Flow OneMinute, Inspiratory Gas	Inspiratory Minute volume	$\dot{V}_i$, MV _{insp}	Volume of gas per minute entering the patient's airway during inspiratory phases.	MDC_VOL_MINUTE_AWAY_INSP	2::20816
Flow OneMinute, Expired Gas	Expired Minute volume	$\dot{V}_E$, MV _{exp}	Volume of gas per minute leaving the patient's airway during expiratory phases. [This term may be used with legacy devices and systems where the breath types are unknown; otherwise, the more precise term MDC_VOL_MINUTE_AWAY_EXP_BTSD_PSAZC should be used.]	MDC_VOL_MINUTE_AWAY_EXP	2::20812
Flow OneMinute Lung, Tidal, Expiratory Phase airway, total for all breath and inflation types	Expired minute volume (total for all breath types)	$\dot{V}_E$, MV _{exp}	Volume of expired gas per minute for all breath and inflation types (total).	MDC_VOL_MINUTE_AWAY_EXP_BTSD_PSAZC	2::21620
Flow per BodyMass OneMinute Lung, Tidal, Expiratory Phase airway, total for all breath and inflation types.	Expired minute volume per body mass	$\dot{V}_E$ /kg, MV _{exp} /kg	Volume of expired gas per minute leaving the patient's airway, normalized by the patient's ideal body weight (typ kg), all breath and inflation types.	MDC_VOL_MINUTE_AWAY_EXP_BTSD_PSAZC_PER_IBW, MDC_VOL_MINUTE_AWAY_EXP_PER_IBW	2::21616

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Flow OneMinute Lung, Tidal, Expiratory Phase airway, for unassisted or supported breaths	Expired Minute volume for unassisted or supported (aka spontaneous) breaths	$\dot{V}_{E \text{ spont}}$, MVexp spont	Volume of expired gas per minute for unassisted or supported (aka spontaneous) breaths.	MDC_VOL_MINUTE_AWAY_EXP_BTSD_PS	2::21624
Flow per BodyMass OneMinute Lung, Tidal, Expiratory Phase airway, for unassisted or supported breaths	Expired Minute volume for unassisted or supported (aka spontaneous) breaths per body mass	$\dot{V}_{E \text{ spont}} / \text{kg}$, MVexp/kg spont	Volume of expired gas per minute for unassisted or supported (aka spontaneous) breaths, normalized by the patient's ideal body weight (typ kg).	MDC_VOL_MINUTE_AWAY_EXP_BTSD_PS_PER_IBW	2::21632
Flow OneMinute Lung, Tidal, Expiratory Phase airway, per assisted, synchronized assisted or controlled inflations	Expired Minute volume for assisted or controlled (aka mandatory) inflations	$\dot{V}_{E \text{ mand}}$, MVexp mand	Volume of expired gas per minute for assisted, synchronized assisted or controlled (aka mandatory) breaths.	MDC_VOL_MINUTE_AWAY_EXP_BTSD_AZC	2::21628
Flow OneMinute, Inspiration and Expiration Gas Ventilator	Inspiratory or expiratory minute volume.	$\dot{V}_i$, MV	Volume of gas per minute passing in to or out of the patient's airway during inspiratory or expiratory phases, respectively.	MDC_VENT_VOL_MINUTE	2::20924
Flow OneMinute Gas Ventilator	Ventilation minute volume	$\dot{V}$, MV	Total volume of gas delivered by ventilator during mechanical ventilation.	MDC_VENT_VOL_MINUTE_AWAY	2::20936
Flow OneMinute Gas Ventilator, Setting		set MV		MDC_VENT_VOL_MINUTE_AWAY_SETTING	258::20936
Flow OneMinute, Inspiration Gas Ventilator	Inspiratory minute volume	$\dot{V}_i$, MVinsp	Volume of gas per minute passing in to the patient's airway during inspiratory phases.	MDC_VENT_VOL_MINUTE_AWAY_INSP	2::20944
Flow OneMinute, Mandatory Gas Ventilator	Mandatory Minute volume	MMV	Minimum volume of gas delivered in 1 min during mechanical and spontaneous respiration.	MDC_VENT_VOL_MINUTE_AWAY_MAND	2::20940
Flow OneMinute, Mandatory Gas Ventilator, Setting				MDC_VENT_VOL_MINUTE_AWAY_MAND_SETTING	258::20940
Flow OneMinute, Expiration Gas Ventilator	Expired minute volume	$\dot{V}_E$, MVexp	Volume of gas per minute exhaled by the patient.	MDC_VENT_VOL_MINUTE_EXP	2::20928
Flow OneMinute, Inspiration Gas Ventilator	Ventilation inspiratory minute volume	$\dot{V}_i$, MVinsp	Total volume of gas breathed in during 1 min during mechanical ventilation.	MDC_VENT_VOL_MINUTE_INSP	2::20932
Volume Leakage Ventilation Ventilator	Leakage volume		Volume of gas lost per minute by leakage in ventilation system, tubing, connectors, etc.	MDC_VENT_VOL_LEAK	2::21360

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Ratio Leakage (inspired-expired, inspired) Ventilation Ventilator	Leakage volume, percent		Relative volume of gas lost per minute by leakage in ventilation system, tubing, connectors, etc. calculated as the difference between inspired and expired volume, relative to inspired volume, expressed as a percentage.	MDC_VENT_VOL_LEAK_P ERCENT	2::22152
Minute Volume (Adaptive Support Ventilation: Reference, Percentage and Target Minute Volume)					
Flow MinuteVolume, reference value based on ideal body mass Lung, Tidal airway, total for all breath and inflation types	Reference minute volume calculated for the patient's ideal body mass	100% MinVol	The reference minute volume calculated for the patient, based on the patient's ideal body weight. Example: 5 L/min	MDC_VOL_MINUTE_AWAY _IBW_REF	2::22156
Percent MinuteVolume, desired percentage value relative to reference value based on ideal body mass Lung, Tidal airway, total for all breath and inflation types	Percentage of the reference minute volume calculated for the patient's ideal body mass	set %MinVol	The percentage of the reference minute volume (calculated for the patient based on the patient's ideal body weight) set by the clinician. Example: 80% (of reference)	MDC_VOL_MINUTE_AWAY _IBW_PCTOF_REF	2::22160
Percent MinuteVolume, desired percentage value relative to reference value based on ideal body mass Lung, Tidal airway, total for all breath and inflation types, Setting	Percentage of the reference minute volume calculated for the patient's ideal body mass	set %MinVol	The percentage of the reference minute volume (calculated for the patient based on the patient's ideal body weight) set by the clinician. Example: 80% (of reference)	MDC_VOL_MINUTE_AWAY _IBW_PCTOF_REF_SETTI NG	258::22160
Flow MinuteVolume, target value Lung, Tidal airway, total for all breath and inflation types	Target Minute Volume	MinVol (target)	The calculated target minute volume, the product of reference minute volume and the percentage set by the clinician. Example: 80% * 5 L/min = 4 L/min	MDC_VOL_MINUTE_AWAY _IBW_TARGET	2::22164
Other volumes					
Flow, integral Gas Airway			Integral flow of gas in airway, typically as a waveform or spirometry waveform segment.	MDC_VOL_AWAY	2::21636
Volume Lung, DeadSpace RespiratoryTract	Airway dead space	VD	Volume of gas in airway per breath not involved in respiratory gas exchange with no ventilator and no airway device. It includes both alveolar and anatomical dead space.	MDC_VOL_AWAY_DEADSP	2::20800
Ratio DeadSpaceVolume, TidalVolume RespiratoryTract Breathing	Dead space tidal volume ratio	VD/VT	Ratio of dead space in respiratory tract to tidal volume.	MDC_RATIO_AWAY_DEAD SP_TIDAL	2::20764

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Volume Lung, VitalCapacity LungStructure	Vital capacity	VC	Difference in volume between maximum inspiration and maximum expiration.	MDC_CAPAC_VITAL	2::20608
Volume DeadSpace Ventilator	Ventilation dead space	VD	Volume of gas in airway per breath during mechanical ventilation not involved in respiratory exchange.	MDC_VENT_VOL_AWAY_D EADSP	2::20912
Ratio DeadspaceVolume, TidalVolume RespiratoryTract Ventilator	Ventilation relative dead space	VD/VT	Ratio of dead space to tidal volume during mechanical ventilation.	MDC_VENT_VOL_AWAY_D EADSP_REL	2::20916
Volume Lung, Alveolar RespiratoryTract	Alveolar ventilation	AV	Volume of gas exchanged per breath in alveoli; difference between tidal volume and dead space.	MDC_VENT_VOL_LUNG_A LV	2::21364
Flow, OneMinute Lung, Alveolar RespiratoryTract	Alveolar minute ventilation	AV · V _{av}	Volume of gas exchanged per minute in alveoli; difference between tidal volume and dead space.	MDC_VENT_VOL_MINUTE_ LUNG_ALV	2::22168
Volume Lung, Trapped Ventilator	Trapped volume	CV	Volume of gas remaining in lung at end of expiration.	MDC_VENT_VOL_LUNG_T RAPD	2::20920
Airway and other pressures					
Pressure Gas Airway	Airway pressure	PAW	Pressure of gas in airway.	MDC_PRESS_AWAY	2::20720
Pressure Maximum Gas Airway	Maximum airway pressure	Ppeak	Peak pressure of gas in airway.	MDC_PRESS_AWAY_MAX	2::20721
Pressure Minimum Gas Airway	Minimum airway pressure	Pmin	Minimum pressure of gas in airway.	MDC_PRESS_AWAY_MIN	2::20722
Pressure Mean Gas Airway	Mean airway pressure		Average pressure of gas in airway.	MDC_PRESS_AWAY_MEAN	2::20723
Pressure Continuous, Positive Gas Airway	CPAP pressure	CPAP	Continuous pressure in airway during spontaneous respiration.	MDC_PRESS_AWAY_CTS_POS	2::20724
Pressure Negative Gas Airway	Maximum negative airway pressure	Pmin	Negative pressure of gas in airway.	MDC_PRESS_AWAY_NEG	2::20728
Pressure Maximum, Negative Gas Airway	Maximum negative airway pressure	Pmin	Maximum negative pressure of gas in airway.	MDC_PRESS_AWAY_NEG_MAX	2::20729
Pressure Expiration Gas Airway	Expiratory airway pressure	PE	Pressure of gas in airway during expiration.	MDC_PRESS_AWAY_EXP	2::20740
Pressure Expiration, Maximum Gas Airway	Maximum expiratory airway pressure	PE max	Maximum pressure of gas in airway during expiration.	MDC_PRESS_AWAY_EXP_MAX	2::20741
Pressure Expiration, Minimum Gas Airway	Minimum expiratory airway pressure	PE min	Minimum airway pressure at any point during an expiratory phase before end expiration if less than end expiratory pressure.	MDC_PRESS_AWAY_EXP_MIN	2::20742

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Inspiration Gas Airway	Inspiratory airway pressure	PI	Pressure of gas in airway during inspiration.	MDC_PRESS_AWAY_INSP	2::20744
Pressure Inspiration, Maximum Gas Airway	Maximum inspiratory airway pressure (peak inspiratory pressure)	PIP	Maximum pressure of gas in airway during inspiration.	MDC_PRESS_AWAY_INSP_MAX	2::20745
Pressure Inspiration, Mean Gas Airway	Mean inspiratory airway pressure	PI mean	Mean pressure of gas in airway during inspiration.	MDC_PRESS_AWAY_INSP_MEAN	2::20747
Pressure Inspiration, Minimum Gas Airway	Minimum inspiratory airway pressure	PI min	Minimum pressure of gas in airway during inspiration.	MDC_PRESS_AWAY_INSP_MIN	2::20746
Pressure Inspiration, End Gas Airway	End inspiratory pressure	EIP	Pressure of gas in airway measured at the end of the inspiratory phase (this may be coincident with the peak inspiratory pressure or the plateau pressure and thus may have the same value as either).	MDC_PRESS_AWAY_INSP_END	2::21640
Pressure Intrapleural Respiration Breathing	Intrapleural Respiratory Pressure	PPL	Pressure in intrapleural space during breathing.	MDC_PRESS_INTRAPL	2::20752
Pressure Esophageal Respiration Breathing	Esophageal pressure	POES, Pes	Pressure measured in the esophagus.	MDC_PRESS_ESOPH	2::20748
Pressure Gastric Respiration Breathing	Gastric pressure	Pga	Pressure measured in the stomach.	MDC_PRESS_GASTRIC	2::22172
Pressure difference Transpulmonary Respiration Breathing	Transpulmonary pressure (difference)		The measured or estimated difference between the alveolar pressure and the intrapleural pressure.	MDC_PRESS_TRANSPULM	2::22176
Pressure Cuff, Endotracheal Respiration Breathing	Endotracheal cuff pressure		The pressure of the balloon that seals the endotracheal tube.	MDC_PRESS_ETT_CUFF	2::22180
Pressure Cuff, Endotracheal End-exhalation Breathing	Endotracheal cuff pressure at the end of exhalation		The pressure of the balloon that seals the endotracheal tube at the end of exhalation.	MDC_PRESS_ETT_CUFF_END_EXH	2::22184
Ventilator and airway pressures					
Pressure Gas Ventilator	Ventilator pressure	PAW	Airway pressure during mechanical ventilation.	MDC_VENT_PRESS	2::20884

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Maximum Gas Ventilator	Maximum ventilation pressure	PAW max	Maximum airway pressure during mechanical ventilation.	MDC_VENT_PRESS_MAX	2::20885
Pressure Minimum Gas Ventilator	Minimum ventilation pressure	PAW min	Minimum airway pressure during mechanical ventilation.	MDC_VENT_PRESS_MIN	2::20886
Pressure Gas Ventilator, Airway	Inspiratory airway pressure	Pinsp	Airway pressure, primarily during an inspiratory phase.	MDC_VENT_PRESS_AWAY	2::20900
Pressure, maximum Gas Ventilator, Airway	Inspiratory airway pressure	Pinsp max	Maximum inspiratory airway pressure.	MDC_VENT_PRESS_AWAY_MAX	2::20901
Pressure, minimum Gas Ventilator, Airway		Pinsp min	Minimum inspiratory airway pressure.	MDC_VENT_PRESS_AWAY_MIN	2::20902
Pressure, mean Gas Ventilator, Airway		Pinsp mean	Mean inspiratory airway pressure.	MDC_VENT_PRESS_AWAY_MEAN	2::20903
Pressure Gas Ventilator, Airway, Setting		set Pinsp	Inspiratory airway pressure setting.	MDC_VENT_PRESS_AWAY_SETTING	258::20900
Pressure, baseline Gas Ventilator, Airway	Baseline airway pressure	BAP	Baseline airway pressure.	MDC_VENT_PRESS_AWAY_BASELINE	2::21644
Pressure, baseline Gas Ventilator, Airway, Setting		set BAP		MDC_VENT_PRESS_AWAY_BASELINE_SETTING	258::21644
Pressure, delta relative to baseline Gas Ventilator, Airway	Inspiratory airway pressure relative to PEEP or BAP	Δ Pinsp	Inspiratory airway pressure relative to PEEP or BAP.	MDC_VENT_PRESS_AWAY_DELTA	2::21648
Pressure, delta relative to baseline Gas Ventilator, Airway, Setting		set Δ Pinsp		MDC_VENT_PRESS_AWAY_DELTA_SETTING	258::21648
Pressure Inspiratory phase Inflation, Backup Ventilator, Airway	Backup inspiratory airway pressure	backup Pinsp	The inspiratory airway pressure for controlled (primary) inflations when a backup inflation is delivered.	MDC_VENT_PRESS_AWAY_BACKUP	2::21652
Pressure Inspiratory phase Inflation, Backup Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_BACKUP_SETTING	258::21652
Pressure, delta relative to baseline Inspiratory phase Inflation, Backup Ventilator, Airway	Backup inspiratory airway pressure relative to PEEP or BAP	backup Δ Pinsp	The inspiratory airway pressure relative to PEEP or BAP for controlled (primary) inflations when a backup inflation is delivered.	MDC_VENT_PRESS_AWAY_DELTA_BACKUP	2::21656

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure, delta relative to baseline Inspiratory phase Inflation, Backup Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_DELTA_BACKUP_SETTING	258::21656
Pressure Inspiratory phase Pressure support inflation Ventilator, Airway	Pressure for support inflations	Psupp	The inspiratory airway pressure for pressure support inflations.	MDC_VENT_PRESS_AWAY_SUPP	2::21660
Pressure Inspiratory phase Pressure support inflation Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_SUPP_SETTING	258::21660
Pressure, delta relative to baseline Inspiratory phase Pressure support inflation Ventilator, Airway	Delta pressure for support inflations	ΔP_{supp}	The inspiratory airway pressure relative to PEEP or BAP for pressure support inflations.	MDC_VENT_PRESS_AWAY_DELTA_SUPP	2::21664
Pressure, delta relative to baseline Inspiratory phase Pressure support inflation Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_DELTA_SUPP_SETTING	258::21664
Pressure High baseline pressure APRV or Bi-Level modes Ventilator, Airway	High pressure	Phigh	The high (inspiratory) pressure level for APRV or Bi-Level modes.	MDC_VENT_PRESS_AWAY_INSP_PHIGH	2::21668
Pressure High baseline pressure APRV or Bi-Level modes Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_INSP_PHIGH_SETTING	258::21668
Pressure Low baseline pressure APRV or Bi-Level modes Ventilator, Airway	Low pressure	Plow	The low (expiratory) pressure level for APRV or Bi-Level modes.	MDC_VENT_PRESS_AWAY_EXP_PLOW	2::21672
Pressure Low baseline pressure APRV or Bi-Level modes Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_EXP_PLOW_SETTING	258::21672
Pressure Limits					
Pressure, limit without cycling Gas Ventilator, Airway	Pressure limit	Plimit	The pressure at which the breath is limited and held for the remaining inspiratory time in a volume-controlled breath.	MDC_VENT_PRESS_AWAY_LIMIT	2::21676
Pressure, limit without cycling Gas Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_LIMIT_SETTING	258::21676

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure, maximum limit with cycling Gas Ventilator, Airway, Setting	Maximum pressure, High pressure limit	Pmax	The maximum pressure allowed in the patient breathing circuit. Once reached, the inspiratory phase ends, and the ventilator immediately begins the expiratory phase.	MDC_VENT_PRESS_AWAY_LIMIT_PMAX	2::21680
Pressure, maximum limit with cycling Gas Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_LIMIT_PMAX_SETTING	258::21680
Pressure, protective relief limit Gas Ventilator, Airway, Setting	High pressure relief limit	Prelief	Threshold value at which a protection device prevents any further rise in the airway pressure.	MDC_VENT_PRESS_AWAY_LIMIT_RELIEF	2::21684
Pressure, protective relief limit Gas Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_LIMIT_RELIEF_SETTING	258::21684
Pressure, minimum limit Gas Ventilator, Airway, Setting	Minimum pressure	Pmin	The minimum target pressure limit.	MDC_VENT_PRESS_AWAY_LIMIT_PMIN	2::21688
Pressure, minimum limit Gas Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_LIMIT_PMIN_SETTING	258::21688
Pressure, delta relative to baseline, minimum limit Gas Ventilator, Airway, Setting	Minimum delta pressure	Δ Pmin	The minimum target pressure limit relative to PEEP or BAP.	MDC_VENT_PRESS_AWAY_DELTA_LIMIT_PMIN_SETTING	2::21692
Pressure, delta relative to baseline, minimum limit Gas Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_DELTA_LIMIT_PMIN_SETTING	258::21692
Pressure risetimes					
Duration, pressure, risetime controlled inflations Gas Ventilator, Airway, Setting	Rise time	Rise time	The time for pressure to reach a preset fraction of the set inspiratory pressure for controlled inflations.	MDC_VENT_PRESS_AWAY_RISETIME_CTLD	2::21696
Duration, pressure, risetime controlled inflations Gas Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_RISETIME_CTLD_SETTING	258::21696
Duration, ratio, pressure, risetime controlled inflations Gas Ventilator, Airway, Setting	Rise time percent	% Rise time	The time for pressure to reach a preset fraction of the set inspiratory pressure for controlled inflations, expressed as a percentage of the duration of the inspiratory phase.	MDC_VENT_PRESS_AWAY_RISETIME_CTLD_PERCENT_SETTING	2::22188
Duration, ratio, pressure, risetime controlled inflations Gas Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_RISETIME_CTLD_PERCENT_SETTING	258::22188
Duration, pressure, risetime support inflations Gas Ventilator, Airway, Setting	Pressure support rise time	PS rise time	The time for pressure to reach a preset fraction of the set inspiratory pressure for support breaths.	MDC_VENT_PRESS_AWAY_RISETIME_SUPPORT_SETTING	2::21700

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Duration, pressure, risetime support inflations Gas Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_RISETIME_SUPP_SETTING	258::21700
Duration, ratio, pressure, risetime support inflations Gas Ventilator, Airway	Pressure support rise time percent	% PS rise time	The time for pressure to reach a preset fraction of the set inspiratory pressure for support breaths, expressed as a percentage of the duration of the inspiratory phase.	MDC_VENT_PRESS_AWAY_RISETIME_SUPP_PERCENT	2::22192
Duration, ratio, pressure, risetime support inflations Gas Ventilator, Airway, Setting				MDC_VENT_PRESS_AWAY_RISETIME_SUPP_PERCENT_SETTING	258::22196
Duration, pressure, risetime Supported, assisted, synchronized assisted or controlled inflations Gas Ventilator, Airway	Pressure rise time for supported, assisted, synchronized assisted and controlled breaths		An indication of the time for pressure to reach a preset fraction of the set inspiratory pressure for supported, assisted, synchronized assisted and controlled inflations.	MDC_VENT_PRESS_AWAY_RISETIME_BTSD_SAZC	2::22468
Duration, pressure, risetime Supported, assisted, synchronized assisted or controlled inflations Gas Ventilator, Airway, Setting	Rise time setting for supported, assisted, synchronized assisted and controlled breaths		An indication of the time for pressure to reach a preset fraction of the set inspiratory pressure for supported, assisted, synchronized assisted and controlled inflations (setting).	MDC_VENT_PRESS_AWAY_RISETIME_BTSD_SAZC_SETTING	258::22468
Flow risetimes					
Duration, flow, risetime Controlled inflations Gas Ventilator, Airway	Flow rise time	Flow rise time	An indication of the time for the inspiratory flow to reach a preset fraction of the set inspiratory flow for controlled inflations.	MDC_VENT_FLOW_AWAY_RISETIME_CTLD	2::22472
Duration, flow, risetime Controlled inflations Gas Ventilator, Airway, Setting				MDC_VENT_FLOW_AWAY_RISETIME_CTLD_SETTING	258::22472
Duration, ratio, flow, risetime Controlled inflations Gas Ventilator, Airway	Flow rise time percent	% Flow rise time	An indication of the time for the inspiratory flow to reach a preset fraction of the set inspiratory flow for controlled inflations, expressed as a percentage of the duration of the inspiratory phase.	MDC_VENT_FLOW_AWAY_RISETIME_CTLD_PERCENT_SETTING	2::22476
Duration, ratio, flow, risetime Controlled inflations Gas Ventilator, Airway, Setting				MDC_VENT_FLOW_AWAY_RISETIME_CTLD_PERCENT_SETTING	258::22476
Plateau pressure					

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Plateau Gas Airway	Plateau pressure		Airway pressure during an inspiratory-hold procedure or during a flow pause in a pressure control inflation.	MDC_PRESS_RESP_PLAT	2::20712
Pressure Plateau Gas Airway	Plateau pressure		Airway pressure during an inspiratory-hold procedure or during a flow pause in a pressure control inflation.	MDC_PRESS_RESP_PLAT_STATIC	2::20712
Pressure Plateau Gas Airway, Dynamic	Dynamic Plateau Pressure		The estimated airway pressure that would have occurred during an inspiratory-hold or during a flow pause in a pressure control inflation.	MDC_PRESS_RESP_PLAT_DYNAMIC	2::21704
Pressure Pause Gas Airway	Respiratory Pause pressure		Pressure in airway during pause between expiration and inspiration.	MDC_PRESS_RESP_PAUSE	2::20716
Pressure Plateau Gas Ventilator	Ventilation plateau pressure		Pressure in airway in plateau phase during mechanical ventilation.	MDC_VENT_PRESS_RESP_PLAT	2::21352
Occlusion Pressure and Inspiratory Force					
Pressure Occlusion, Airway Gas Ventilator	Ventilation occlusion pressure		The negative airway pressure generated when briefly occluded during inspiration.	MDC_VENT_PRESS_OCCL	2::20892
Pressure Occlusion, 100 ms, Airway Gas Ventilator	Ventilation occlusion pressure, P0.1 (100 ms)	P0.1	The negative airway pressure generated during the first 100 ms of an occluded inspiration.	MDC_VENT_PRESS_OCCL_P100MS	2::21708
Pressure Occlusion, NIF maneuver, Airway Gas Ventilator	Negative Inspiratory Force (NIF)	NIF	The maximum negative airway pressure generated during an occluded inspiration arising from a Negative Inspiratory Force (NIF) maneuver.	MDC_VENT_PRESS_OCCL_NIF	2::21712
Duration Occlusion, P0.1 maneuver Airway Gas Ventilator	P0.1 repetition interval		P0.1 repetition interval.	MDC_VENT_TIME_PD_P10OMS	2::22440
Duration Occlusion, P0.1 maneuver Airway Gas Ventilator, Setting	P0.1 repetition interval setting		P0.1 repetition interval setting.	MDC_VENT_TIME_PD_P10OMS_SETTING	258::22440
Resistance and compliance					
Resistance Airway Breathing	Airway Resistance	RAW	Resistance to gas flow within the airway.	MDC_RES_AWAY	2::20768
Resistance Expiration Airway Breathing	Expiratory Airway Resistance	REAW	Resistance to gas flow in airway during expiration.	MDC_RES_AWAY_EXP	2::20772

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Resistance Inspiration Airway Breathing	Inspiratory Airway Resistance	RIAW	Resistance to gas flow within the airway during inspiration.	MDC_RES_AWAY_INSP	2::20776
Resistance Dynamic, Least Squares Airway Breathing	Dynamic airway resistance	R _{dyn}	Resistance to gas flow within the airway, dynamically calculated using a least squares or other curve fitting algorithm where airway resistance and lung compliance are related by the "equation of motion" $\Delta P_i = R_{dyn} \dot{V}_i + V_i/C_{dyn} + PEEP_{bot}$.	MDC_RES_AWAY_DYNAMI C	2::21524
Compliance Alveoli LungStructure	Compliance of respiratory system	C _{TH+L}	Change of tidal volume per unit change of airway pressure.	MDC_COMPL_LUNG	2::20616
Compliance Dynamic Alveoli, Pleura LungStructure	Thoracic compliance	C _{TH}	Change of tidal volume per unit change of transthoracic pressure.	MDC_COMPL_LUNG_DYN	2::20620
Compliance Static Alveoli, Pleura LungStructure	Lung compliance, static	C _L	Change of tidal volume per unit change in esophageal pressure measured statically at expiration end.	MDC_COMPL_LUNG_STAT IC	2::20624
Compliance Dynamic, Least Squares Alveoli LungStructure	Dynamic compliance	C _{dyn}	Change of tidal volume per unit change of airway pressure, dynamically calculated using a least squares or other curve fitting algorithm where airway resistance and lung compliance are related by the "equation of motion" $\Delta P_i = R_{dyn} \dot{V}_i + V_i/C_{dyn} + PEEP_{bot}$.	MDC_COMPL_LUNG_DYN AMIC	2::21528
Compliance Ventilator Breathing System Respiratory gas pathways, internal and external to body of ventilator or anesthesia machine	Compliance of all the interconnected pathways of the ventilator breathing system, pressurized during an inflation	Compliance VBS	The compliance of the airway pathways internal and external to the body of the ventilator or anesthesia machine breathing system, including the detachable tubing and other external breathing circuit components (e.g., connectors, humidifiers) which are pressurized at respiratory pressures during an inflation.	MDC_VENT_COMPL_SYST EM	2::22444
Compliance Breathing circuit Detachable part of respiratory gas pathways, external to body of ventilator or anesthesia machine	Compliance of all the interconnected pathways of the detachable breathing circuit, pressurized during an inflation	Compliance BC	The compliance of the operator detachable part of the ventilator or anaesthetic breathing system, including the inspiratory and expiratory-limb tubing and other external breathing circuit components (e.g., connectors, humidifiers) which are pressurized at respiratory pressures during an inflation.	MDC_VENT_COMPL_BREA THING_CIRCUIT	2::22448

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
PEEP					
Pressure End-expiratory, Extrinsic Gas Ventilator	Extrinsic PEEP (positive end expiratory pressure), applied	PEEPe	Positive end expiratory pressure applied to the airway.	MDC_PRESS_AWAY_END_EXP_POS	2::20732
Pressure End-expiratory, Extrinsic Gas Ventilator	Extrinsic PEEP (positive end expiratory pressure), applied	PEEPe	Positive end expiratory pressure applied to the airway.	MDC_PRESS_AWAY_END_EXP_POS_EXTRINSIC	2::20732
Pressure End-expiratory, Extrinsic Gas Ventilator, Setting			Positive end expiratory pressure applied to the airway during spontaneous breathing, e.g., by an expiratory valve on the breathing circuit.	MDC_PRESS_AWAY_END_EXP_POS_SETTING	258::20732
Pressure End-expiratory, Intrinsic Gas Airway	Intrinsic PEEP (aka Auto PEEP)	PEEPi	The component of alveolar pressure in the lungs above extrinsic PEEP due to physiologic causes at the end of expiration.	MDC_PRESS_AWAY_END_EXP_POS_INTRINSIC	2::20736
Pressure End-expiratory, Total Gas Lungs	Total PEEP	PEEPe+i	The sum of the extrinsic PEEP and intrinsic PEEP, representing the total pressure in the lungs at the end of expiration.	MDC_PRESS_AWAY_END_EXP_POS_TOTAL	2::21716
Pressure End-expiratory, Extrinsic, Dynamic Gas Airway	Dynamic extrinsic PEEP	PEEPe, dyn	Dynamic extrinsic PEEP, the minimum pressure at or near the end of expiration, reflecting the set PEEP from the ventilator.	MDC_PRESS_AWAY_END_EXP_POS_EXTRINSIC_DYNAMIC	2::21720
Pressure End-expiratory, Intrinsic, Dynamic Gas Airway	Dynamic intrinsic PEEP	PEEPi, dyn	Dynamic intrinsic PEEP, obtained during the short period between expiratory valve closure and flow arriving at the patient.	MDC_PRESS_AWAY_END_EXP_POS_INTRINSIC_DYNAMIC	2::21724
Pressure End-expiratory, Total, Dynamic Gas Airway	Dynamic total PEEP	PEEPe+i, dyn	Dynamic total PEEP, obtained during the short period between expiratory valve closure and flow arriving at the patient.	MDC_PRESS_AWAY_END_EXP_POS_TOTAL_DYNAMIC	2::21728
Pressure End-expiratory, Applied Gas Ventilator	Applied PEEP	PEEP	Positive end expiratory pressure applied to the airway.	MDC_VENT_PRESS_AWAY_END_EXP_POS	2::20904
Pressure End-expiratory, Applied Gas Ventilator, Setting	Set PEEP	set PEEP	Positive end expiratory pressure applied to the airway by the ventilator during expiratory phase.	MDC_VENT_PRESS_AWAY_END_EXP_POS_SETTING	258::20904
Apnea					
Duration Apnea Breathing	Apnea Duration	A	Duration of apnea - no flow measured.	MDC_TIME_PD_APNEA	2::20784
Duration Apnea Breathing, Setting	Apnea alarm duration setting			MDC_TIME_PD_APNEA_SETTING	258::20784
Duration Apnea, Central Breathing	Central Apnea Duration	CA	Duration of apnea - no flow and no respiratory effort.	MDC_TIME_PD_APNEA_CENT	2::20788

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Duration Apnea, Mixed Breathing	Mixed Apnea Duration	MA	Duration of apnea with central and obstructive components.	MDC_TIME_PD_APNEA_MLX	2::20792
Duration Apnea, Obstructive Breathing	Obstructive Apnea Duration	OA	Duration of apnea due to airway obstruction.	MDC_TIME_PD_APNEA_OBSTRUC	2::20780
Patient-ventilator synchronization					
Pressure TriggerSensitivity, start inspiration Ventilator	Ventilator pressure trigger sensitivity		Sensitivity of trigger in ventilator; a pressure value, for triggering an inflation.	MDC_VENT_PRESS_TRIG_SENS	2::21356
Pressure TriggerSensitivity, start inspiration Ventilator, Setting				MDC_VENT_PRESS_TRIG_SENS_SETTING	258::21356
Flow TriggerSensitivity, start inspiration Ventilator	Ventilator flow trigger sensitivity		Sensitivity of trigger in ventilator; a flow value, for triggering an inflation.	MDC_VENT_FLOW_TRIG_SENS	2::21732
Flow TriggerSensitivity, start inspiration Ventilator, Setting				MDC_VENT_FLOW_TRIG_SENS_SETTING	258::21732
Flow, ratio, percent TriggerThreshold, end inspiration Ventilator	Ventilator end-inspiratory flow threshold		Flow threshold in ventilator to end the inspiratory phase, expressed as a flow value.	MDC_VENT_FLOW_THRES_H_END_INSP	2::21736
Flow, ratio, percent TriggerThreshold, end inspiration Ventilator, Setting				MDC_VENT_FLOW_THRES_H_END_INSP_SETTING	258::21736
Flow, ratio, percent TriggerThreshold, end inspiration Ventilator	% Ventilator end-inspiratory flow threshold		Flow threshold in ventilator to end the inspiratory phase, expressed as a percentage of peak inspiratory flow.	MDC_VENT_FLOW_THRES_H_END_INSP_PERCENT_SETTING	2::22200
Flow, ratio, percent TriggerThreshold, end inspiration Ventilator, Setting				MDC_VENT_FLOW_THRES_H_END_INSP_PERCENT_SETTING	258::22200
High Frequency Ventilation					
Volume Lung, Tidal Breath	Respiratory Tidal Volume during high frequency ventilation	VThf	Volume of gas leaving the patient through the patient connection port during an expiration phase in high frequency ventilation.	MDC_VOL_AWAY_TIDAL_HF	2::22452
Rate NOS Breath Ventilator	Ventilation rate during high frequency ventilation	RRhf f/hf	Rate of mechanical ventilation during high frequency ventilation; method not specified.	MDC_VENT_RESP_RATE_HF	2::22456

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Mean Gas Airway	Mean airway pressure during high frequency ventilation	MAP hf	The mean pressure of gas in airway during high frequency ventilation.	MDC_PRESS_AWAY_MEA_N_HF	2::22460
Metabolics					
Energy, expended per unit time Metabolic, Indirect Calorimetry based on gas exchange Patient	Expended Energy		Expended energy measurement (or estimate) using indirect calorimetry based on O ₂ consumption and CO ₂ production by patient, measured over a period of time.	MDC_RESP_EXPENDED_ENERGY	2::21740
Ratio Flow(ExpiredCO ₂), Flow(O ₂ used) Gas RespiratoryProcess	Respiratory quotient	RQ	Ratio of carbon dioxide expired to oxygen used.	MDC_QUO_RESP	2::20756
Flow Consumption O ₂ , Gas Breathing	O ₂ Consumption	$\dot{V} O_2$	The volume of oxygen a patient inhales (consumes) per minute.	MDC_FLOW_O2_CONSUM_P	2::21348
Flow per BodyMass Consumption O ₂ , Gas Breathing	O ₂ Consumption per body mass (typ kg)	$\dot{V} O_2 / \text{kg}$	The volume of oxygen a patient inhales (consumes) per minute, normalized by the patient's ideal body weight (typ kg).	MDC_FLOW_O2_CONSUM_P_PER_IBW	2::21744
Flow per BodySurfaceArea Consumption O ₂ , Gas Breathing	O ₂ Consumption per body surface area (typ m ²)	$\dot{V} O_2 / \text{m}^2$	The volume of oxygen a patient inhales (consumes) per minute, normalized by patient body surface area (typ m ²).	MDC_FLOW_O2_CONSUM_P_PER_BSA	2::21748
Flow Production CO ₂ , Gas Breathing	CO ₂ Production	$\dot{V} CO_2$	Rate of production of carbon dioxide, measured by expired carbon dioxide in airway per unit time (typ /min).	MDC_FLOW_CO2_PROD_RESP	2::20704
Flow per BodyMass Production CO ₂ , Gas Breathing	CO ₂ Production per body mass (typ kg)	$\dot{V} CO_2 / \text{kg}$	Rate of production of carbon dioxide, measured by expired carbon dioxide in airway per unit time (typ /min), normalized by the patient's ideal body weight (typ kg).	MDC_FLOW_CO2_PROD_RESP_PER_IBW	2::21752
Flow per BodySurfaceArea Production CO ₂ , Gas Breathing	CO ₂ Production per body surface area (typ m ²)	$\dot{V} CO_2 / \text{m}^2$	Rate of production of carbon dioxide, measured by expired carbon dioxide in airway per unit time (typ /min), normalized by patient body surface area (typ m ²).	MDC_FLOW_CO2_PROD_RESP_PER_BSA	2::21756

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name ¹⁹	Common term	Acronym	Description/Definition	RefId	Part::Code
Work of Breathing (WOB) Work of breathing, expended by patient (intrinsic) per breath, volume or time Resistive and Elastic Breathing	Work of breathing (intrinsic)	WOBp, WOB	The work expended by the patient over one or more inspiratory and expiratory cycles. Includes the physiologic resistive and elastic components of work and <i>may</i> exclude the work done by stored potential energy of the lung compliance overcoming airway resistance and tissue movement resistance during expiration. The preferred calculation method is based on the Campbell diagram in which lung volume on the ordinate is plotted against the pleural or esophageal pressure on the abscissa and does <i>not</i> include the additional work WOBi imposed on the patient by the breathing apparatus. Can be expressed as work per breath, work per unit volume, work per unit time (power) or work per unit volume per body mass. ¹⁹	MDC_WORK_OF_BREATHING_PATIENT	2::22204
Work of breathing, expended by patient per breath, volume or time Resistive Breathing	Work of breathing - resistive	WOBpr	The resistive component of the work of breathing by the patient, using principles based on the Campbell diagram.	MDC_WORK_OF_BREATHING_PATIENT_RESISTIVE	2::22208
Work of breathing, expended by patient per breath, volume or time Elastic Breathing	Work of breathing - elastic	WOBpe	The elastic component of the work of breathing by the patient, using principles based on Campbell diagram.	MDC_WORK_OF_BREATHING_PATIENT_ELASTIC	2::22212
Work of breathing, expended by ventilator and applied to patient per breath, volume or time Resistive and Elastic Inflation and breathing	Work of breathing - ventilator	WOBv	The work of breathing expended by the ventilator and applied to the patient over one or more inspiratory/inflation and expiratory cycles, calculated or estimated relative to the patient airway adaptor, endotracheal tube, endotracheal tube tip near the carina or other measurement site. ²⁰	MDC_WORK_OF_BREATHING_VENTILATOR	2::22216
Work of breathing, expended by ventilator or patient and lost to breathing apparatus (extrinsic) per breath, volume or time Resistive	Imposed work of breathing (extrinsic)	WOBi	The additional resistive work imposed on the patient by the breathing apparatus (endotracheal tube, breathing circuit, humidifier, demand valves and exhalation valves) <i>including</i> reductions due to tube compensation, calculated or estimated relative to the patient airway adaptor, endotracheal tube, and endotracheal tube tip near the carina or other measurement site.	MDC_WORK_OF_BREATHING_IMPOSED	2::22220

¹⁹ The patient work of breathing (WOB_p) can be expressed as the sum of its two principal components, resistive (WOB_{pr}) and elastic (WOB_{pe}).²⁰ The total work of breathing (WOB_{total}) can be calculated as the sum of the patient work of breathing (WOB_p) and the ventilator work of breathing (WOB_v).

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Inspiratory Pressure-time Product (PTP)					
Pressure · time product per breath or per unit time for multiple breaths Exertion by patient Breathing, inspiratory phase	Inspiratory pressure-time product	PTP, PTPInsp	The integral of the transdiaphragmatic pressure (P _{eso} – P _{ga}) over the time interval between the start of the inspiratory effort and the end of the inspiratory phase of a respiratory cycle. Reflects the exertion of the respiratory muscles during inspiration. PTP can be expressed per breath or per unit time for multiple breaths.	MDC_PRESS_TIME_PROD UCT_INSP	2::22224
Tube Compensation					
Level, reduction of patient work of breathing Percent of full tube compensation Endotracheal or tracheal Breathing, patient	Tube compensation, Automatic tube compensation	TC, ATC	Endotracheal or tracheal tube compensation level, expressed as a percent from 0 (off) to 100 (full compensation) relative to level estimated by the ventilator based on tube type and size. Compensation method not specified.	MDC_VENT_TUBE_COMPE NSATION_LEVEL	2::22228
Type, tube Endotracheal or tracheal	Tube type		Tube type, endotracheal or tracheal.	MDC_VENT_TUBE_TYPE	2::22232
Size, tube Endotracheal or tracheal diameter, inside	Tube size		Tube size (inside diameter) in millimeters.	MDC_VENT_TUBE_SIZE	2::22236
Miscellaneous					
Barometric Pressure Atmospheric	Barometric Pressure		Barometric (atmospheric) air pressure.	MDC_PRESS_BAROMETRI C	2::21760
Barometric Pressure Ambient, immediate patient environment	Ambient Pressure		Ambient (immediate patient environment) air pressure.	MDC_PRESS_AIR_AMBIEN T	2::21764
Fraction Cardiac output not exposed to ventilated alveoli relative to total cardiac output Blood, CVS	(Estimated) Blood Shunt Fraction	Qs/Qt	The (estimated) fraction of cardiac output that returns to the left heart without the benefit of exposure to ventilated alveoli.	MDC_BLD_SHUNT_FRACTI ON	2::21768
Difference, Oxygen Content Arterial - Venous Blood Blood, CVS	(Estimated) Arterial-Venous O ₂ Content Difference	a-vO ₂ diff	The (estimated) difference in the oxygen content of the blood between the arterial blood and the venous blood.	MDC_CONC_PO2_ART_VE N_DIFF	2::21772
Concentration Partial Pressure, pCO ₂ Blood, Pulmonary Artery Fluid Chemistry	Pulmonary Arterial pCO ₂		Partial pressure of CO ₂ in the pulmonary artery.	MDC_CONC_PCO2_ART_P ULM	2::21776
Index, Resistance PerSurfaceArea Flow PulmonaryBlood, CVS	Pulmonary Vascular Resistance Index	PVRI	Pulmonary Vascular Resistance Index, normalized with respect to body surface area.	MDC_RES_VASC_PULM_I NDEX	2::21780

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Ratio Flow (Alveolar Ventilation), Flow (Perfusion) Lung Structure Breathing	Ventilation-perfusion index	$\dot{V}/Q$	Ratio of alveolar ventilation and gas component to pulmonary capillary blood flow.	MDC_VENT_FLOW_RATIO_PERF_ALV_INDEX	2::20880
Index Ratio (Flow Difference, Pressure Difference) Gas Transport Lung Structure	Gas transport coefficient	D	Coefficient relating partial pressures of gas between alveoli and pulmonary capillaries.	MDC_COEF_GAS_TRAN	2::20948
Concentration Difference (Inspiration, Expiration) Substance, Gas Ventilator	Diff. inspired and expired substance conc. (ventilator)		Difference in substance concentration between inspiration and expiration during mechanical ventilation.	MDC_CONC_GASDLV_SUBST_DELTA	2::21008
Ratio, Oxygen Quantity Consumed Oxygen, Delivered Oxygen Blood, CVS	(Estimated) Oxygen Extraction Ratio	OER	The (estimated) ratio (fraction) of oxygen that is consumed divided by the oxygen that is delivered.	MDC_O2_EXTRACTION_RATIO	2::21784
Index Ratio (Spontaneous Rate, Tidal Volume) One Minute Gas Breathing	Rapid Shallow Breathing Index	RSBI	The rapid shallow breathing index (RSBI) is calculated by dividing the spontaneous breath rate by the tidal volume, averaged over one minute.	MDC_RESP_RAPID_SHALLOW_BREATHING_INDEX	2::21788
Duration Time Constant Inspiratory phase Breath, Calculation	Inspiratory time constant	RC _{insp} , τ_i	The product of the inspiratory airway resistance and static compliance.	MDC_RESP_TIME_CONSTANT_INSP	2::22240
Duration Time Constant Expiratory phase Breath, passive deflation	Expiratory time constant	RC _{exp} , τ_e	The time needed for the lungs to passively deflate by a certain amount or a percentage of volume. 1 x RC _{exp} : 63% of volume to be exhaled. 2 x RC _{exp} : 86% of volume to be exhaled. 3 x RC _{exp} : 95% of volume to be exhaled. 4 x RC _{exp} : 98% of volume to be exhaled.	MDC_RESP_TIME_CONSTANT_EXP	2::22244
Pressure Auxiliary, Input Gas External source	Auxiliary pressure input	P _{aux}	Auxiliary pressure input transducer that may be connected to an external source of (gas) pressure.	MDC_VENT_PRESS_AUX	2::22464
Agents and Gases					
Concentration, sum of ratios Minimum Alveolar Concentration anesthetic gas	MAC sum	MAC sum	Sum of the Minimum Alveolar Concentration for anesthetic gas and N ₂ O.	MDC_CONC_MAC_SUM	2::21792
Concentration, sum of ratios Minimum Alveolar Concentration, Age Corrected anesthetic gas	MAC age-corrected sum	MAC age	Age corrected sum of the Minimum Alveolar Concentration for anesthetic gas and N ₂ O.	MDC_CONC_MAC_SUM_AGE_CORR	2::21796
Ratio, Concentration Relative to anesthetic needed to prevent movement in 50% patients Volatile Anesthetic Agent Alveolar	Mean Alveolar Concentration	MAC	Mean Alveolar Concentration, expressed as a percentage relative to the needed to prevent movement (motor response) in 50% of subjects in response to surgical (pain) stimulus.	MDC_CONC_MAC	2::21800

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Flow Air, Gas	Fresh air flow		Flow of Air component of Fresh Gas.	MDC_FLOW_AIR_FG	2::21804
Flow Air, Gas, Setting	Setting of fresh air flow		Setting of flow of Air component of Fresh Gas.	MDC_FLOW_AIR_FG_SETTING	258::21804
Volume Case, Delivered Air, Gas	Air delivered during a case		Volume (gas) of air delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_AIR_CASE	2::21808
Volume Total, Delivered Air, Gas	Total air delivered		Total volume (gas) of air delivered (potentially across multiple cases).	MDC_VOL_DELIV_AIR_TOTAL	2::21812
Pressure Supply, pipeline Air, Gas	Air supply (pipeline) pressure		Air supply (pipeline) pressure.	MDC_PRESS_AIR_SUPPLY	2::21816
Pressure Cylinder Air, Gas	Air cylinder pressure		Air cylinder pressure.	MDC_PRESS_AIR_CYL	2::21820
Volume SinceStartInspiration Gas Breathing	Volume since start inspiration	V	Ventilated gas volume since start of inspiration (waveform).	MDC_VOL_GAS_INSP_START	2::20804
Gas identification and selection					
Identity Agent(s), Gas Airway	Anesthetic agent(s)	Agent ID	The identity of volatile anesthetic agents that have been detected and/or are known to be present in airway gas during inspiration and/or inflation.	MDC_GASDLV_AGENT	2::53332
Identity Agent(s), Gas Airway, Setting or selection			The identity of volatile anesthetic agents based on user selection of vaporizer and/or cassette.	MDC_GASDLV_AGENT_SETTING	258::53332
Identity Balance Gas(es), Gas Airway	Balance Gas	Balance Gas	The identity of the balance (carrier) gases that have been detected and/or are known to be present in airway gas during inspiration and/or inflation.	MDC_GASDLV_BALANCE_GAS	2::53333
Identity Balance Gas(es), Gas Airway, Setting or selection			The identity of the balance (carrier) gases based on user selection.	MDC_GASDLV_BALANCE_GAS_SETTING	258::53333
Gas concentrations and partial pressures					
Concentration Agent, Gas Airway	Concentration airway agent	%Agent	Concentration of agent in airway gas.	MDC_CONC_AWAY_AGENT	2::21384
Concentration EndTidal Agent, Gas Airway	Concentration airway agent end tidal		Concentration of agent in airway gas measured at the end of expiration.	MDC_CONC_AWAY_AGENT_ET	2::21388
Concentration Inspiration Agent, Gas Airway	Concentration airway agent inspiration		Concentration of agent in airway gas measured in inspiration.	MDC_CONC_AWAY_AGENT_INSP	2::21392

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration PartialPressure Desflurane, Gas Airway	Concentration (or partial pressure) of desflurane in airway gas	%Desflurane	Measured partial pressure of desflurane in airway gas.	MDC_CONC_AWAY_DESF_L	2::20952
Concentration PartialPressure, End Tidal Desflurane, Gas Airway	End tidal desflurane concentration (or partial pressure) in airway gas		Partial pressure of desflurane in airway gas measured at the end of expiration.	MDC_CONC_AWAY_DESF_L_ET	2::21012
Concentration PartialPressure, End Tidal Desflurane, Gas Airway, Setting				MDC_CONC_AWAY_DESF_L_ET_SETTING	258::21012
Concentration PartialPressure, Expiration Desflurane, Gas Airway	Expired desflurane concentration (or partial pressure) in airway gas		Partial pressure of desflurane in airway gas measured during expiration.	MDC_CONC_AWAY_DESF_L_EXP	2::21040
Concentration PartialPressure, Inspiration Desflurane, Gas Airway	Inspiratory desflurane concentration (or partial pressure) in airway gas		Partial pressure of desflurane in airway gas measured during inspiration.	MDC_CONC_AWAY_DESF_L_INSP	2::21096
Concentration Partial Pressure Desflurane, Gas Gas Delivery System or Circuit	Concentration of desflurane (gas delivery system or circuit)		Concentration of desflurane in airway gas in the system or circuit conducting gas to and from the patient.	MDC_CONC_GASDLV_DESF_FL	2::20980
Concentration Partial Pressure, Expiration Desflurane, Gas Gas Delivery System or Circuit	Concentration of desflurane (gas delivery system or circuit)		Concentration of desflurane in airway gas measured during expiration in the system or circuit conducting gas from the patient.	MDC_CONC_GASDLV_DESF_FL_EXP	2::21068
Concentration Partial Pressure, Inspiration Desflurane, Gas Gas Delivery System or Circuit	Concentration of desflurane (gas delivery system or circuit)		Concentration of desflurane in airway gas measured during inspiration in the system or circuit conducting gas to the patient.	MDC_CONC_GASDLV_DESF_FL_INSP	2::21128

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Partial Pressure, Inspiration Desflurane, Gas Gas Delivery System or Circuit, Setting				MDC_CONC_GASDLV_DESFL_INSP_SETTING	258::21128
Volume Case, Delivered Desflurane, Gas	Desflurane gas delivered during a case		Volume of desflurane gas delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_DESFL_CASE	2::21824
Volume Case, Delivered Desflurane, Liquid	Desflurane liquid delivered during a case		Volume (liquid) of desflurane delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_DESFL_LIQUID_CASE	2::21828
Volume Total, Delivered Desflurane, Liquid	Total desflurane liquid delivered		Total volume (liquid) of desflurane delivered.	MDC_VOL_DELIV_DESFL_LIQUID_TOTAL	2::21832
Volume Total, Delivered Desflurane, Gas	Total desflurane gas delivered		Total volume of desflurane gas delivered (potentially across multiple cases).	MDC_VOL_DELIV_DESFL_TOTAL	2::21836
Concentration Partial Pressure Enflurane, Gas Airway	Concentration (or partial pressure) of enflurane in airway gas	%Enflurane	Measured partial pressure of enflurane in airway gas.	MDC_CONC_AWAY_ENFL	2::20956
Concentration Partial Pressure, End Tidal Enflurane, Gas Airway	End tidal enflurane concentration (or partial pressure) in airway gas		Partial pressure of enflurane in airway gas measured at the end of expiration.	MDC_CONC_AWAY_ENFL_ET	2::21016
Concentration Partial Pressure, End Tidal Enflurane, Gas Airway, Setting				MDC_CONC_AWAY_ENFL_ET_SETTING	258::21016
Concentration Partial Pressure, Expiration Enflurane, Gas Airway	Expired enflurane concentration (or partial pressure) in airway gas		Partial pressure of enflurane in airway gas measured during expiration.	MDC_CONC_AWAY_ENFL_EXP	2::21044
Concentration Partial Pressure, Inspiration Enflurane, Gas Airway	Inspiratory enflurane concentration (or partial pressure) in airway gas		Partial pressure of enflurane in airway gas measured during inspiration.	MDC_CONC_AWAY_ENFL_INSP	2::21100
Concentration Partial Pressure Enflurane, Gas Gas Delivery System or Circuit	Concentration enflurane (gas delivery system or circuit)		Concentration of enflurane in airway gas in the system or circuit conducting gas to and from the patient.	MDC_CONC_GASDLV_ENFL	2::20984

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Partial Pressure, Expiration Enflurane, Gas Gas Delivery System or Circuit	Concentration airway enflurane expiratory (gas delivery system or circuit)		Concentration of enflurane in airway gas measured during expiration in the system or circuit conducting gas from the patient.	MDC_CONC_GASDLV_ENF_L_EXP	2::21072
Concentration Partial Pressure, Inspiration Enflurane, Gas Gas Delivery System or Circuit	Concentration airway enflurane inspiratory (gas delivery system or circuit)		Concentration of enflurane in airway gas measured during inspiration in the system or circuit conducting gas to the patient.	MDC_CONC_GASDLV_ENF_L_INSP	2::21132
Concentration Partial Pressure, Inspiration Enflurane, Gas Gas Delivery System or Circuit, Setting				MDC_CONC_GASDLV_ENF_L_INSP_SETTING	258::21132
Volume Case, Delivered Enflurane, Gas	Enflurane gas delivered during a case		Volume of enflurane gas delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_ENFL_CASE	2::21840
Volume Case, Delivered Enflurane, Liquid	Enflurane liquid delivered during a case		Volume (liquid) of enflurane delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_ENFL_LIQUID_CASE	2::21844
Volume Total, Delivered Enflurane, Liquid	Total enflurane liquid delivered		Total volume (liquid) of enflurane delivered.	MDC_VOL_DELIV_ENFL_LIQUID_TOTAL	2::21848
Volume Total, Delivered Enflurane, Gas	Total enflurane gas delivered		Total volume of enflurane gas delivered (potentially across multiple cases).	MDC_VOL_DELIV_ENFL_TOTAL	2::21852
Concentration Partial Pressure Halothane, Gas Airway	Concentration (or partial pressure) of halothane in airway gas	%Halothane	Measured partial pressure of halothane in airway gas.	MDC_CONC_AWAY_HALOTHANE	2::20960
Concentration Partial Pressure, End Tidal Halothane, Gas Airway	End tidal halothane concentration (or partial pressure) in airway gas		Partial pressure of halothane in airway gas measured at the end of expiration.	MDC_CONC_AWAY_HALOTHANE_ET	2::21020
Concentration Partial Pressure, End Tidal Halothane, Gas Airway, Setting				MDC_CONC_AWAY_HALOTHANE_ET_SETTING	258::21020

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Partial Pressure, Expiration Halothane, Gas Airway	Expired halothane concentration (or partial pressure) in airway gas		Partial pressure of halothane in airway gas measured during expiration.	MDC_CONC_AWAY_HALO_TH_EXP	2::21048
Concentration Partial Pressure, Inspiration Halothane, Gas Airway	Inspiratory halothane concentration (or partial pressure) in airway gas		Partial pressure of halothane in airway gas measured during inspiration.	MDC_CONC_AWAY_HALO_TH_INSP	2::21104
Concentration Partial Pressure Halothane, Gas Gas Delivery System or Circuit	Concentration halothane (gas delivery system or circuit)		Concentration of halothane in airway gas in the system or circuit conducting gas to and from the patient.	MDC_CONC_GASDLV_HAL_OTH	2::20988
Concentration Partial Pressure, Expiration Halothane, Gas Gas Delivery System or Circuit	Concentration airway halothane expiratory (gas delivery system or circuit)		Concentration of halothane in airway gas measured during expiration in the system or circuit conducting gas from the patient.	MDC_CONC_GASDLV_HAL_OTH_EXP	2::21076
Concentration Partial Pressure, Inspiration Halothane, Gas Gas Delivery System or Circuit	Concentration airway halothane inspiratory (gas delivery system or circuit)		Concentration of halothane in airway gas measured during inspiration in the system or circuit conducting gas to the patient.	MDC_CONC_GASDLV_HAL_OTH_INSP	2::21136
Concentration Partial Pressure, Inspiration Halothane, Gas Gas Delivery System or Circuit, Setting				MDC_CONC_GASDLV_HAL_OTH_INSP_SETTING	258::21136
Volume Case, Delivered Halothane, Gas	Halothane gas delivered during a case		Volume of halothane gas delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_HALOTH_CASE	2::21856
Volume Case, Delivered Halothane, Liquid	Halothane liquid delivered during a case		Volume (liquid) of halothane delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_HALOTH_LIQUID_CASE	2::21860
Volume Total, Delivered Halothane, Liquid	Total halothane liquid delivered		Total volume (liquid) of halothane delivered.	MDC_VOL_DELIV_HALOTH_LIQUID_TOTAL	2::21864
Volume Total, Delivered Halothane, Gas	Total halothane gas delivered		Total volume of halothane gas delivered (potentially across multiple cases).	MDC_VOL_DELIV_HALOTH_TOTAL	2::21868

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration PartialPressure Isoflurane, Gas Airway	Concentration (or partial pressure) of isoflurane in airway gas	%Isoflurane	Measured partial pressure of isoflurane in airway gas.	MDC_CONC_AWAY_ISOFL	2::20968
Concentration PartialPressure, End Tidal Isoflurane, Gas Airway	End tidal isoflurane concentration (or partial pressure) in airway gas		Partial pressure of isoflurane in airway gas measured at the end of expiration.	MDC_CONC_AWAY_ISOFL_ET	2::21028
Concentration PartialPressure, End Tidal Isoflurane, Gas Airway, Setting				MDC_CONC_AWAY_ISOFL_ET_SETTING	258::21028
Concentration PartialPressure, Expiration Isoflurane, Gas Airway	Expired isoflurane concentration (or partial pressure) in airway gas		Partial pressure of isoflurane in airway gas measured during expiration.	MDC_CONC_AWAY_ISOFL_EXP	2::21056
Concentration PartialPressure, Inspiration Isoflurane, Gas Airway	Inspiratory isoflurane concentration (or partial pressure) in airway gas		Partial pressure of isoflurane in airway gas measured during inspiration.	MDC_CONC_AWAY_ISOFL_INSP	2::21112
Concentration Partial Pressure Isoflurane, Gas Gas Delivery System or Circuit	Concentration of isoflurane (gas delivery system or circuit)		Concentration of isoflurane in airway gas in the system or circuit conducting gas to and from the patient.	MDC_CONC_GASDLV_ISO_FL	2::20996
Concentration Partial Pressure, Expiration Isoflurane, Gas Gas Delivery System or Circuit	Concentration of isoflurane (gas delivery system or circuit)		Concentration of isoflurane in airway gas measured during expiration in the system or circuit conducting gas from the patient.	MDC_CONC_GASDLV_ISO_FL_EXP	2::21084
Concentration Partial Pressure, Inspiration Isoflurane, Gas Gas Delivery System or Circuit	Concentration of isoflurane (gas delivery system or circuit)		Concentration of isoflurane in airway gas measured during inspiration in the system or circuit conducting gas to the patient.	MDC_CONC_GASDLV_ISO_FL_INSP	2::21144
Concentration Partial Pressure, Inspiration Isoflurane, Gas Gas Delivery System or Circuit, Setting				MDC_CONC_GASDLV_ISO_FL_INSP_SETTING	258::21144

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Volume Case, Delivered Isoflurane, Gas	Isoflurane gas delivered during a case		Volume of isoflurane gas delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_ISOFL_C ASE	2::21872
Volume Case, Delivered Isoflurane, Liquid	Isoflurane liquid delivered during a case		Volume (liquid) of isoflurane delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_ISOFL_L IQUID_CASE	2::21876
Volume Total, Delivered Isoflurane, Liquid	Total isoflurane liquid delivered		Total volume (liquid) of isoflurane delivered.	MDC_VOL_DELIV_ISOFL_L IQUID_TOTAL	2::21880
Volume Total, Delivered Isoflurane, Gas	Total isoflurane gas delivered		Total volume of isoflurane gas delivered (potentially across multiple cases).	MDC_VOL_DELIV_ISOFL_T OTAL	2::21884
Concentration PartialPressure Nitrous Oxide, Gas Airway	Concentration (or partial pressure) of nitrous oxide in airway gas	%N ₂ O, %N ₂ O ₂ , %Nitrous Oxide	Measured partial pressure of nitrous oxide in airway gas.	MDC_CONC_AWAY_N2O	2::20976
Concentration PartialPressure, End Tidal Nitrous Oxide, Gas Airway	End tidal nitrous oxide concentration (or partial pressure) in airway gas		Partial pressure of nitrous oxide in airway gas measured at the end of expiration.	MDC_CONC_AWAY_N2O_ ET	2::21036
Concentration PartialPressure, Expiration Nitrous Oxide, Gas Airway	Expired nitrous oxide concentration (or partial pressure) in airway gas		Partial pressure of nitrous oxide in airway gas measured during expiration.	MDC_CONC_AWAY_N2O_ EXP	2::21064
Concentration PartialPressure, Inspiration Nitrous Oxide, Gas Airway	Inspiratory nitrous oxide concentration (or partial pressure) in airway gas		Partial pressure of nitrous oxide in airway gas measured during inspiration.	MDC_CONC_AWAY_N2O_ I NSP	2::21120
Concentration Partial Pressure N ₂ O, Gas Gas Delivery System	Concentration N ₂ O (gas delivery system)		Concentration of nitrous oxide in airway gas in the system conducting gas to and from the patient.	MDC_CONC_GASDLV_N2O	2::21004
Concentration Partial Pressure, Expiration N ₂ O, Gas Gas Delivery System	Concentration airway nitrous oxide expiratory (gas delivery system)		Concentration of nitrous oxide in airway gas measured during expiration in the system conducting gas from the patient.	MDC_CONC_GASDLV_N2O _EXP	2::21092

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Partial Pressure, Inspiration N2O, Gas Gas Delivery System	Concentration airway nitrous oxide inspiratory (gas delivery system)		Concentration of nitrous oxide in airway gas measured during inspiration in the system conducting gas to the patient.	MDC_CONC_GASDLV_N2O_INSP	2::21152
Volume Case, Delivered Nitrous Oxide, Gas	Nitrous oxide gas delivered during a case		Volume (gas) of nitrous oxide delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_N2O_CA_SE	2::21888
Volume Total, Delivered Nitrous Oxide, Gas	Total nitrous oxide gas delivered		Total volume (gas) of nitrous oxide delivered.	MDC_VOL_DELIV_N2O_TAL	2::21892
Pressure Supply, pipeline N2O, Gas	N2O supply (pipeline) pressure		N2O supply (pipeline) pressure.	MDC_PRESS_N2O_SUPPLY	2::21896
Pressure Cylinder N2O, Gas	N2O cylinder pressure		N2O cylinder pressure.	MDC_PRESS_N2O_CYL	2::21900
Concentration Partial Pressure Sevoflurane, Gas Airway	Concentration (or partial pressure) of sevoflurane in airway gas	%Sevoflurane	Measured partial pressure of sevoflurane in airway gas.	MDC_CONC_AWAY_SEVO_FL	2::20964
Concentration Partial Pressure, End Tidal Sevoflurane, Gas Airway	End tidal sevoflurane concentration (or partial pressure) in airway gas		Partial pressure of sevoflurane in airway gas measured at the end of expiration.	MDC_CONC_AWAY_SEVO_FL_ET	2::21024
Concentration Partial Pressure, End Tidal Sevoflurane, Gas Airway, Setting				MDC_CONC_AWAY_SEVO_FL_ET_SETTING	258::21024
Concentration Partial Pressure, Expiration Sevoflurane, Gas Airway	Expired sevoflurane concentration (or partial pressure) in airway gas		Partial pressure of sevoflurane in airway gas measured during expiration.	MDC_CONC_AWAY_SEVO_FL_EXP	2::21052
Concentration Partial Pressure, Inspiration Sevoflurane, Gas Airway	Inspiratory sevoflurane concentration (or partial pressure) in airway gas		Partial pressure of sevoflurane in airway gas measured during inspiration.	MDC_CONC_AWAY_SEVO_FL_INSP	2::21108

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Partial Pressure, Sevoflurane, Gas Gas Delivery System or Circuit	Concentration sevoflurane (gas delivery system or circuit)		Concentration of sevoflurane in airway gas in the system or circuit conducting gas to and from the patient.	MDC_CONC_GASDLV_SEV OFL	2::20992
Concentration Partial Pressure, Expiration Sevoflurane, Gas Gas Delivery System or Circuit	Concentration sevoflurane expiratory (gas delivery system or circuit)		Concentration of sevoflurane in airway gas measured during expiration in the system or circuit conducting gas from the patient.	MDC_CONC_GASDLV_SEV OFL_EXP	2::21080
Concentration Partial Pressure, Inspiration Sevoflurane, Gas Gas Delivery System or Circuit	Concentration airway sevoflurane inspiratory (gas delivery system or circuit)		Concentration of sevoflurane in airway gas measured during inspiration in the system or circuit conducting gas to the patient.	MDC_CONC_GASDLV_SEV OFL_INSP	2::21140
Concentration Partial Pressure, Inspiration Sevoflurane, Gas Gas Delivery System or Circuit, Setting				MDC_CONC_GASDLV_SEV OFL_INSP_SETTING	258::21140
Volume Case, Delivered Sevoflurane, Gas	Sevoflurane gas delivered during a case		Volume of sevoflurane gas delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_SEVOFL _CASE	2::21904
Volume Case, Delivered Sevoflurane, Liquid	Sevoflurane liquid delivered during a case		Volume (liquid) of sevoflurane delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_SEVOFL _LIQUID_CASE	2::21908
Volume Total, Delivered Sevoflurane, Liquid	Total sevoflurane liquid delivered		Total volume (liquid) of sevoflurane delivered.	MDC_VOL_DELIV_SEVOFL _LIQUID_TOTAL	2::21912
Volume Total, Delivered Sevoflurane, Gas	Total sevoflurane gas delivered		Total volume of sevoflurane gas delivered (potentially across multiple cases).	MDC_VOL_DELIV_SEVOFL _TOTAL	2::21916
Concentration Partial Pressure Ar, Gas Airway	Concentration (or partial pressure) of argon in airway gas	%Ar, AR	Measured partial pressure of argon in airway gas.	MDC_CONC_AWAY_AR	2::21920
Concentration Partial Pressure, Expiration Ar, Gas Airway	End tidal argon concentration (or partial pressure) in airway gas		Partial pressure of argon in airway gas measured at the end of expiration.	MDC_CONC_AWAY_AR_E T	2::21924

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration PartialPressure, Expiration Ar, Gas Airway	Expired argon concentration (or partial pressure) in airway gas		Partial pressure of argon in airway gas measured during expiration.	MDC_CONC_AWAY_AR_E XP	2::21928
Concentration PartialPressure, Inspiration Ar, Gas Airway	Inspiratory argon concentration (or partial pressure) in airway gas		Partial pressure of argon in airway gas measured during inspiration.	MDC_CONC_AWAY_AR_IN SP	2::21932
Concentration Partial Pressure Ar, Gas Gas Delivery System	Concentration of argon (gas delivery system)		Concentration of argon in airway gas in the system conducting gas to and from the patient.	MDC_CONC_GASDLV_AR	2::21936
Concentration Partial Pressure, Expiration Ar, Gas Gas Delivery System	Concentration of argon in airway gas measured during expiration in the system conducting gas to and from the patient.		Concentration of argon in airway gas measured during expiration in the system conducting gas to and from the patient.	MDC_CONC_GASDLV_AR_EXP	2::21940
Concentration Partial Pressure, Inspiration Ar, Gas Gas Delivery System	Concentration of argon in airway gas measured during inspiration in the system conducting gas to and from the patient.		Concentration of argon in airway gas measured during inspiration in the system conducting gas to and from the patient.	MDC_CONC_GASDLV_AR_INSP	2::21944
Concentration PartialPressure CO ₂ , Gas Airway	Concentration (or partial pressure) of carbon dioxide in airway gas	%CO ₂ , CO ₂ , pCO ₂	Measured partial pressure of carbon dioxide in airway gas.	MDC_CONC_AWAY_CO2	2::20628
Concentration PartialPressure, Expiration CO ₂ , Gas Airway	End tidal carbon dioxide concentration (or partial pressure) in airway gas	%CO ₂ ET, EtCO ₂	Partial pressure of carbon dioxide in airway gas measured at the end of expiration.	MDC_CONC_AWAY_CO2_ET	2::20636
Concentration PartialPressure, Expiration CO ₂ , Gas Airway	Expired carbon dioxide concentration (or partial pressure) in airway gas	%CO ₂ exp, pCO ₂ exp	Partial pressure of carbon dioxide in airway gas measured during expiration.	MDC_CONC_AWAY_CO2_EXP	2::20640
Concentration PartialPressure, Inspiration CO ₂ , Gas Airway	Inspiratory carbon dioxide concentration (or partial pressure) in airway gas	%CO ₂ insp, pCO ₂ insp	Partial pressure of carbon dioxide in airway gas measured during inspiration.	MDC_CONC_AWAY_CO2_I NSP	2::20644

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Partial Pressure, CO ₂ , Alveolar Plateau, slope with respect to expired gas volume Gas Airway	Slope of the alveolar plateau CO ₂ concentration with respect to expired volume	S(III)	The slope of the CO ₂ concentration with respect to the expired gas volume during the alveolar plateau (Phase III) representing the emptying of alveoli with CO ₂ -rich gas. Method: volumetric capnography.	MDC_CONC_AWAY_CO2_EXP_PLATEAU_ALV_SLOPE	2::22248
Concentration Partial Pressure CO ₂ , Gas Gas Delivery System	Concentration carbon dioxide (gas delivery system)	%CO ₂ , pCO ₂	Concentration of carbon dioxide in airway gas in the system conducting gas to and from the patient.	MDC_CONC_GASDLV_CO2	2::21948
Concentration Partial Pressure, Expiration CO ₂ , Gas Gas Delivery System	Concentration airway carbon dioxide expiratory (gas delivery system)		Concentration of carbon dioxide in airway gas measured during expiration in the system conducting gas from the patient.	MDC_CONC_GASDLV_CO2_EXP	2::21952
Concentration Partial Pressure, Inspiration CO ₂ , Gas Gas Delivery System	Concentration airway carbon dioxide inspiratory (gas delivery system)	FiCO ₂	Concentration of carbon dioxide in airway gas measured during inspiration in the system conducting gas to the patient.	MDC_CONC_GASDLV_CO2_INSP	2::21956
Volume Expiratory Phase CO ₂ , Gas per breath (breath type not specified)	Expired CO ₂ volume	VeCO ₂	Volume of expired CO ₂ during each breath, breath type(s) not specified.	MDC_VOL_AWAY_TIDAL_CO2_EXP	2::22252
Volume Inspiratory Phase CO ₂ , Gas per breath (breath type not specified)	Inspired CO ₂ volume	ViCO ₂	Volume of inspired CO ₂ during each breath, breath type(s) not specified.	MDC_VOL_AWAY_TIDAL_CO2_INSP	2::22256
Volume Case, Delivered CO ₂ , Gas	Carbon dioxide gas delivered during a case		Volume (gas) of carbon dioxide delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_CO2_CASE	2::21960
Volume Total, Delivered CO ₂ , Gas	Total carbon dioxide gas delivered		Total volume (gas) of carbon dioxide delivered (potentially across multiple cases).	MDC_VOL_DELIV_CO2_TOTAL	2::21964
Concentration Partial Pressure He, Gas Airway	Concentration (or partial pressure) of helium in airway gas	%He, HE	Measured partial pressure of helium in airway gas.	MDC_CONC_AWAY_HE	2::21968
Concentration Partial Pressure, Expiration He, Gas Airway	End tidal helium concentration (or partial pressure) in airway gas		Partial pressure of helium in airway gas measured at the end of expiration.	MDC_CONC_AWAY_HE_END_T	2::21972

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration PartialPressure, Expiration He, Gas Airway	Expired helium concentration (or partial pressure) in airway gas		Partial pressure of helium in airway gas measured during expiration.	MDC_CONC_AWAY_HE_E XP	2::21976
Concentration PartialPressure, Inspiration He, Gas Airway	Inspiratory helium concentration (or partial pressure) in airway gas		Partial pressure of helium in airway gas measured during inspiration.	MDC_CONC_AWAY_HE_IN SP	2::21980
Concentration Partial Pressure He, Gas Gas Delivery System	Concentration helium (gas delivery system)		Concentration of helium in airway gas in the system conducting gas to and from the patient.	MDC_CONC_GASDLV_HE	2::21984
Concentration Partial Pressure, Expiration He, Gas Gas Delivery System	Concentration airway helium expiratory (gas delivery system)		Concentration of helium in airway gas measured during expiration in the system conducting gas from the patient.	MDC_CONC_GASDLV_HE_ EXP	2::21988
Concentration Partial Pressure, Inspiration He, Gas Gas Delivery System	Concentration airway helium inspiratory (gas delivery system)		Concentration of helium in airway gas measured during inspiration in the system conducting gas to the patient.	MDC_CONC_GASDLV_HE_ INSP	2::21992
Volume Case, Delivered He, Gas	Helium gas delivered during a case		Volume of helium gas delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_HE_CAS E	2::21996
Volume Total, Delivered He, Gas	Total helium gas delivered		Total of helium gas delivered (potentially across multiple cases).	MDC_VOL_DELIV_HE_TOT AL	2::22000
Concentration PartialPressure N2, Gas Airway	Concentration (or partial pressure) of nitrogen in airway gas	%N ₂ , N ₂	Measured partial pressure of nitrogen in airway gas.	MDC_CONC_AWAY_N2	2::21372
Concentration PartialPressure, Expiration N2, Gas Airway	End tidal nitrogen concentration (or partial pressure) in airway gas	%N ₂ ET, EtN ₂	Partial pressure of nitrogen in airway gas measured at the end of expiration.	MDC_CONC_AWAY_N2_ET	2::21376
Concentration PartialPressure, Expiration N2, Gas Airway	Expired nitrogen concentration (or partial pressure) in airway gas		Partial pressure of nitrogen in airway gas measured during expiration.	MDC_CONC_AWAY_N2_EX P	2::22004

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration PartialPressure, Inspiration N2, Gas Airway	Inspiratory nitrogen concentration (or partial pressure) in airway gas		Partial pressure of nitrogen in airway gas measured during inspiration.	MDC_CONC_AWAY_N2_IN SP	2::21380
Concentration Partial Pressure N2, Gas Gas Delivery System	Concentration nitrogen (gas delivery system)		Concentration of nitrogen in airway gas in the system conducting gas to and from the patient.	MDC_CONC_GASDLV_N2	2::22008
Concentration Partial Pressure, Expiration N2, Gas Gas Delivery System	Concentration airway nitrogen expiratory (gas delivery system)		Concentration of nitrogen in airway gas measured during expiration in the system conducting gas from the patient.	MDC_CONC_GASDLV_N2_EXP	2::22012
Concentration Partial Pressure, Inspiration N2, Gas Gas Delivery System	Concentration airway nitrogen inspiratory (gas delivery system)		Concentration of nitrogen in airway gas measured during inspiration in the system conducting gas to the patient.	MDC_CONC_GASDLV_N2_INSP	2::22016
Flow N2O, Gas	Fresh gas nitrous oxide flow		Flow of Nitrous Oxide component of Fresh Gas.	MDC_FLOW_N2O_FG	2::22020
Flow N2O, Gas, Setting			Setting for flow of Nitrous Oxide component of Fresh Gas.	MDC_FLOW_N2O_FG_SET TING	258::22020
Concentration PartialPressure NO, Gas Airway	Concentration (or partial pressure) of nitric oxide in airway gas	%NO, NO, %Nitric Oxide	Measured partial pressure of nitric oxide in airway gas.	MDC_CONC_AWAY_NO	2::22024
Concentration PartialPressure, Expiration NO, Gas Airway	End tidal nitric oxide concentration (or partial pressure) in airway gas		Partial pressure of nitric oxide in airway gas measured at the end of expiration.	MDC_CONC_AWAY_NO_E T	2::22028
Concentration PartialPressure, Expiration NO, Gas Airway	Expired nitric oxide concentration (or partial pressure) in airway gas		Partial pressure of nitric oxide in airway gas measured during expiration.	MDC_CONC_AWAY_NO_E XP	2::22032
Concentration PartialPressure, Inspiration NO, Gas Airway	Inspiratory nitric oxide concentration (or partial pressure) in airway gas		Partial pressure of nitric oxide in airway gas measured during inspiration.	MDC_CONC_AWAY_NO_IN SP	2::22036

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Partial Pressure NO, Gas Gas Delivery System	Concentration nitric oxide (gas delivery system)		Concentration of nitric oxide in airway gas in the system conducting gas to and from the patient.	MDC_CONC_GASDLV_NO	2::22040
Concentration Partial Pressure, Expiration NO, Gas Gas Delivery System	Concentration airway nitric oxide expiratory (gas delivery system)		Concentration of nitric oxide in airway gas measured during expiration in the system conducting gas from the patient.	MDC_CONC_GASDLV_NO_EXP	2::22044
Concentration Partial Pressure, Inspiration NO, Gas Gas Delivery System	Concentration airway nitric oxide inspiratory (gas delivery system)		Concentration of nitric oxide in airway gas measured during inspiration in the system conducting gas to the patient.	MDC_CONC_GASDLV_NO_INSP	2::22048
Volume Case, Delivered NO, Gas	Nitric oxide gas delivered during a case		Volume of nitric oxide gas delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_NO_CASE	2::22052
Volume Total, Delivered NO, Gas	Total nitric oxide gas delivered		Total volume of nitric oxide gas delivered (potentially across multiple cases).	MDC_VOL_DELIV_NO_TOTAL	2::22056
Concentration Partial Pressure NO ₂ , Gas Airway	Concentration (or partial pressure) of nitrogen dioxide in airway gas	%NO ₂ , NO ₂ , %Nitrogen Dioxide	Measured partial pressure of nitrogen dioxide in airway gas.	MDC_CONC_AWAY_NO2	2::20972
Concentration Partial Pressure, Expiration NO ₂ , Gas Airway	End tidal nitrogen dioxide concentration (or partial pressure) in airway gas		Partial pressure of nitrogen dioxide in airway gas measured at the end of expiration.	MDC_CONC_AWAY_NO2_ET	2::21032
Concentration Partial Pressure, Expiration NO ₂ , Gas Airway	Expired nitrogen dioxide concentration (or partial pressure) in airway gas		Partial pressure of nitrogen dioxide in airway gas measured during expiration.	MDC_CONC_AWAY_NO2_EXP	2::21060
Concentration Partial Pressure, Inspiration NO ₂ , Gas Airway	Inspiratory nitrogen dioxide concentration (or partial pressure) in airway gas		Partial pressure of nitrogen dioxide in airway gas measured during inspiration.	MDC_CONC_AWAY_NO2_INSP	2::21116
Concentration Partial Pressure NO ₂ , Gas Gas Delivery System	Concentration NO ₂ (gas delivery system)		Concentration of nitrogen dioxide in airway gas in the system conducting gas to and from the patient.	MDC_CONC_GASDLV_NO2	2::21000

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Partial Pressure, Expiration NO ₂ , Gas Gas Delivery System	Concentration airway nitrogen dioxide expiratory (gas delivery system)		Concentration of nitrogen dioxide in airway gas measured during expiration in the system conducting gas from the patient.	MDC_CONC_GASDLV_NO2_EXP	2::21088
Concentration Partial Pressure, Inspiration NO ₂ , Gas Gas Delivery System	Concentration airway nitrogen dioxide inspiratory (gas delivery system)		Concentration of nitrogen dioxide in airway gas measured during inspiration in the system conducting gas to the patient.	MDC_CONC_GASDLV_NO2_INSP	2::21148
Concentration Partial Pressure Oxygen, Gas Airway	Concentration (or partial pressure) of oxygen in airway gas	%O ₂ , O ₂ , pO ₂	Measured partial pressure of oxygen in airway gas.	MDC_CONC_AWAY_O2	2::20836
Concentration Partial Pressure, End Tidal Oxygen, Gas Airway	End tidal oxygen concentration (or partial pressure) in airway gas	%O ₂ ET, %EtO ₂ , EtO ₂	Partial pressure of oxygen in airway gas measured at the end of expiration.	MDC_CONC_AWAY_O2_ET	2::21368
Concentration Partial Pressure, End Tidal Oxygen, Gas Airway, Setting				MDC_CONC_AWAY_O2_ET_SETTING	258::21368
Concentration Partial Pressure, Expiration Oxygen, Gas Airway	Expired oxygen concentration (or partial pressure) in airway gas	%O ₂ exp, pO ₂ exp	Partial pressure of oxygen in airway gas measured during expiration.	MDC_CONC_AWAY_O2_E_XP	2::22060
Concentration Partial Pressure, Inspiration Oxygen, Gas Airway	Inspiratory oxygen concentration (or partial pressure) in airway gas	%O ₂ insp, pO ₂ insp	Partial pressure of oxygen in airway gas measured during inspiration.	MDC_CONC_AWAY_O2_IN_SP	2::21124
Concentration Difference (Partial Pressure Inspiration, Partial Pressure Expiration) O ₂ , Gas Airway	O ₂ pressure difference	PI-EO ₂	Difference between inspiratory and expiratory partial pressures of oxygen in airway gas.	MDC_CONC_AWAY_O2_D_ELTA	2::20672
Volume Expiratory Phase O ₂ , Gas per breath (breath type not specified)	Expired O ₂ volume	VeO ₂	Volume of expired O ₂ during each breath, breath type(s) not specified.	MDC_VOL_AWAY_TIDAL_O2_EXP	2::22260
Volume Inspiratory Phase O ₂ , Gas per breath (breath type not specified)	Inspired O ₂ volume	ViO ₂	Volume of inspired O ₂ during each breath, breath type(s) not specified.	MDC_VOL_AWAY_TIDAL_O2_INSP	2::22264

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Partial Pressure O ₂ , Gas Gas Delivery System or Circuit	Concentration oxygen (gas delivery system or circuit)	%O ₂ , O ₂ , pO ₂	Concentration of oxygen in airway gas in the system or circuit conducting gas to and from the patient.	MDC_CONC_GASDLV_O2	2::22064
Concentration Partial Pressure, Expiration O ₂ , Gas Gas Delivery System or Circuit	Concentration airway oxygen expiratory (gas delivery system or circuit)	FEO ₂	Concentration of oxygen in airway gas measured during expiration in the system or circuit conducting gas from the patient.	MDC_CONC_GASDLV_O2_EXP	2::22068
Concentration Partial Pressure, Inspiration O ₂ , Gas Gas Delivery System or Circuit	Concentration airway oxygen inspiratory (gas delivery system or circuit)	%FIO ₂ , FIO ₂	Concentration of oxygen in airway gas measured during inspiration in the system or circuit conducting gas to the patient.	MDC_CONC_GASDLV_O2_INSP	2::22072
Concentration Partial Pressure, Inspiration O ₂ , Gas Gas Delivery System or Circuit, Setting				MDC_CONC_GASDLV_O2_INSP_SETTING	258::22072
Concentration Difference (Inspiration, Expiration) O ₂ , Gas Ventilator	Diff. inspired and expired oxygen conc. (ventilator)	FI-EO ₂	Difference in oxygen concentration between inspiration and expiration during mechanical ventilation.	MDC_CONC_GASDLV_O2_DELTA	2::20840
Volume Case, Delivered O ₂ , Gas	Oxygen gas delivered during a case		Volume (gas) of oxygen delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_O2_CASE	2::22076
Volume Total, Delivered O ₂ , Gas	Total oxygen gas delivered		Total volume (gas) of oxygen delivered (potentially across multiple cases).	MDC_VOL_DELIV_O2_TOTAL	2::22080
Flow O ₂ , Gas	Fresh gas oxygen flow		Flow of Oxygen component of Fresh Gas.	MDC_FLOW_O2_FG	2::22084
Flow O ₂ , Gas, Setting	Fresh gas oxygen flow setting		Flow of Oxygen component of Fresh Gas setting.	MDC_FLOW_O2_FG_SETTING	258::22084
Pressure Supply, pipeline O ₂ , Gas	O ₂ supply (pipeline) pressure		O ₂ supply (pipeline) pressure.	MDC_PRESS_O2_SUPPLY	2::22088
Pressure Cylinder O ₂ , Gas	O ₂ cylinder pressure		O ₂ cylinder pressure.	MDC_PRESS_O2_CYL	2::22092
Pressure Cylinder, 2nd O ₂ , Gas	O ₂ cylinder #2 pressure		O ₂ #2 cylinder pressure.	MDC_PRESS_O2_CYL_2	2::22096

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration PartialPressure Xe, Gas Airway	Concentration (or partial pressure) of xenon in airway gas	%Xe, Xe	Measured partial pressure of xenon in airway gas.	MDC_CONC_AWAY_XE	2::22100
Concentration PartialPressure, Expiration Xe, Gas Airway	End tidal xenon concentration (or partial pressure) in airway gas		Partial pressure of xenon in airway gas measured at the end of expiration.	MDC_CONC_AWAY_XE_ET	2::22104
Concentration PartialPressure, Expiration Xe, Gas Airway	Expired xenon concentration (or partial pressure) in airway gas		Partial pressure of xenon in airway gas measured during expiration.	MDC_CONC_AWAY_XE_E XP	2::22108
Concentration PartialPressure, Inspiration Xe, Gas Airway	Inspiratory xenon concentration (or partial pressure) in airway gas		Partial pressure of xenon in airway gas measured during inspiration.	MDC_CONC_AWAY_XE_IN SP	2::22112
Concentration Partial Pressure Xe, Gas Gas Delivery System	Concentration xenon (gas delivery system)		Concentration of xenon in airway gas in the system conducting gas to and from the patient.	MDC_CONC_GASDLV_XE	2::22116
Concentration Partial Pressure, Expiration Xe, Gas Gas Delivery System	Concentration airway xenon expiratory (gas delivery system)		Concentration of xenon in airway gas measured during expiration in the system conducting gas from the patient.	MDC_CONC_GASDLV_XE_ EXP	2::22120
Concentration Partial Pressure, Inspiration Xe, Gas Gas Delivery System	Concentration airway xenon inspiratory (gas delivery system)		Concentration of xenon in airway gas measured during inspiration in the system conducting gas to the patient.	MDC_CONC_GASDLV_XE_ INSP	2::22124
Volume Case, Delivered Xe, Gas	Xenon gas delivered during a case		Volume of xenon gas delivered during a case, to a single patient during a single procedure.	MDC_VOL_DELIV_XE_CAS E	2::22128
Volume Total, Delivered Xe, Gas	Total xenon gas delivered		Total volume of xenon gas delivered (potentially across multiple cases).	MDC_VOL_DELIV_XE_TOT A	2::22132

Table A.7.4.19.2—Nomenclature and codes for respiratory, ventilator, and anesthesia measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Gas Uptake					
Volume Cumulative (total quantity inspired - total quantity expired) since the start of a case Desflurane, Liquid	Desflurane cumulative volume (liquid) that a patient has effectively taken up since the start of a case	VDes total	The cumulative amount of desflurane inhaled by the patient minus the quantity of desflurane exhaled by the patient since the start of a case (prior to delivery of anesthetic agent to the patient), expressed as a liquid volume.	MDC_VOL_UPTAKE_DESF_L_LIQUID_CUMULATIVE	2::22488
Volume Cumulative (total quantity inspired - total quantity expired) since the start of a case Enflurane, Liquid	Enflurane cumulative volume (liquid) that a patient has effectively taken up since the start of a case	VEnf total	The cumulative amount of enflurane inhaled by the patient minus the quantity of enflurane exhaled by the patient since the start of a case (prior to delivery of anesthetic agent to the patient), expressed as a liquid volume.	MDC_VOL_UPTAKE_ENFL_LIQUID_CUMULATIVE	2::22492
Volume Cumulative (total quantity inspired - total quantity expired) since the start of a case Halothane, Liquid	Halothane cumulative volume (liquid) that a patient has effectively taken up since the start of a case	VHal total	The cumulative amount of halothane inhaled by the patient minus the quantity of halothane exhaled by the patient since the start of a case (prior to delivery of anesthetic agent to the patient), expressed as a liquid volume.	MDC_VOL_UPTAKE_HALO_TH_LIQUID_CUMULATIVE	2::22496
Volume Cumulative (total quantity inspired - total quantity expired) since the start of a case Isoflurane, Liquid	Isoflurane cumulative volume (liquid) that a patient has effectively taken up since the start of a case	VIso total	The cumulative amount of isoflurane inhaled by the patient minus the quantity of isoflurane exhaled by the patient since the start of a case (prior to delivery of anesthetic agent to the patient), expressed as a liquid volume.	MDC_VOL_UPTAKE_ISOFL_LIQUID_CUMULATIVE	2::22500
Volume Cumulative (total quantity inspired - total quantity expired) since the start of a case Sevoflurane, Liquid	Sevoflurane cumulative volume (liquid) that a patient has effectively taken up since the start of a case	VSev total	The cumulative amount of sevoflurane inhaled by the patient minus the quantity of sevoflurane exhaled by the patient since the start of a case (prior to delivery of anesthetic agent to the patient), expressed as a liquid volume.	MDC_VOL_UPTAKE_SEVO_FL_LIQUID_CUMULATIVE	2::22504

A.7.4.20 Deprecated terms for respiratory measurements

Certain terms for respiratory measurements have been deprecated. These are listed in Table A.7.4.20.1.

Table A.7.4.20.1—Deprecated terms for respiratory measurements

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Respiration NOS Breath Breathing	Respiration		Deprecated. Use MDC_RESP_RATE (2::20482)	MDC_RESP_BREATH	2::20488
			Use is undefined so term deprecated	MDC_ID_TRIG	2::53253
			Use is undefined so term deprecated	MDC_ANNOT_WAVE	2::53249

A.7.4.21 Deprecated RefIds for respiratory measurements

Certain RefIds for respiratory measurements have been deprecated. These are listed in Table A.7.4.20.1.

Table A.7.4.21.1—Deprecated RefIds for respiratory measurements

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Intrapleural Respiration Breathing	Intrapleural Respiratory Pressure	PPL	Deprecated. Use MDC_PRESS_INTRAPL	MDC_PRESS_INTERPL	2::20752
Pressure Inspiration, Maximum Gas Airway	Maximum inspiratory airway pressure (peak inspiratory pressure)	PIP	RefId deprecated as a synonym not in discriminator form. Use MDC_PRESS_AWAY_INSP_MAX	MDC_PRESS_AWAY_INSP_PEAK	2::20745
Rate Average Breath Ventilator, Setting	Average ventilation rate setting		RefId deprecated as synonym. Use MDC_VENT_RESP_RATE_MEAN_SETTING	MDC_VENT_RESP_RATE_AVG_SETTING	258::20517

A.7.4.22 Unified gas RefId prefixes

As described in A.7.4.17, two top-level vocabulary branches for gas concentration and partial pressure measurements are defined: MDC_CONC_AWAY for measurements obtained at the patient connector port and MDC_CONC_GASDLV for measurements obtained in the system supplying the gas to the patient, with or without a mechanical ventilator. The two vocabulary branches consolidate the five branches that were originally defined in ISO/IEEE 11073-10101:2004. These may be used in conjunction with the _SETTING ‘über-discriminator’ to indicate observations that are the target value of a setting (e.g., end-tidal gas concentration control).

The recommended mapping of existing deprecated gas RefId prefixes listed in Table A.7.4.23.1 and Table A.7.4.24.1 to ‘unified’ gas RefId prefixes listed in Table A.7.4.19.2 is shown in Table A.7.4.22.1.

Table A.7.4.22.1—Recommended mapping of deprecated to ‘unified’ gas RefId prefixes (informative)

Interpretation	Deprecated gas RefId prefix	‘Unified’ gas RefId prefix
airway: partial pressure airway: concentration	MDC_AWAY MDC_CONC_AWAY	MDC_CONC_AWAY
vent airway: partial pressure vent airway: concentration vent agent (<i>typ</i>): concentration	MDC_VENT_AWAY MDC_VENT_CONC_AWAY MDC_VENT_CONC	MDC_CONC_GASDLV

A.7.4.23 Deprecated terms for haemodynamic monitoring measurements

Certain terms for haemodynamic monitoring measurements have been deprecated. These are listed in Table A.7.4.23.1.

Table A.7.4.23.1—Deprecated terms for respiratory measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration PartialPressure, Desflurane, Gas Airway	Partial pressure airway desflurane		Replaced by MDC_CONC_AWAY_DESFL (20952)	MDC_AWAY_DESFL	2::21160
Concentration PartialPressure, Expiration Desflurane, Gas Airway	Expiratory partial pressure airway desflurane		Replaced by MDC_CONC_AWAY_DESFL_EXP (21040)	MDC_AWAY_DESFL_EXP	2::21224
Concentration PartialPressure, Inspiration Desflurane, Gas Airway	Inspiratory partial pressure airway desflurane		Replaced by MDC_CONC_AWAY_DESFL_INSP (21096)	MDC_AWAY_DESFL_INSP	2::21284
Concentration PartialPressure Desflurane, Gas Ventilator	Partial pressure ventilator desflurane		Replaced by MDC_CONC_GASDLV_DESFL (20980)	MDC_VENT_AWAY_DESFL	2::21192
Concentration PartialPressure, Expiration Desflurane, Gas Ventilator	Expiratory partial pressure ventilator desflurane		Replaced by MDC_CONC_GASDLV_DESFL_EXP (21068)	MDC_VENT_DESFL_EXP	2::21252
Concentration PartialPressure, Inspiration Desflurane, Gas Ventilator	Inspiratory partial pressure ventilator desflurane		Replaced by MDC_CONC_GASDLV_DESFL_INSP (21128)	MDC_VENT_DESFL_INSP	2::21312
Concentration PartialPressure Enflurane, Gas Airway	Partial pressure airway enflurane		Replaced by MDC_CONC_AWAY_ENFL (20956)	MDC_AWAY_ENFL	2::21168
Concentration PartialPressure, Expiration Enflurane, Gas Airway	Expiratory partial pressure airway enflurane		Replaced by MDC_CONC_AWAY_ENFL_EXP (21044)	MDC_AWAY_ENFL_EXP	2::21228
Concentration PartialPressure, Inspiration Enflurane, Gas Airway	Inspiratory partial pressure airway enflurane		Replaced by MDC_CONC_AWAY_ENFL_INSP (21100)	MDC_AWAY_ENFL_INSP	2::21288
Concentration PartialPressure Enflurane, Gas Ventilator	Partial pressure ventilator enflurane		Replaced by MDC_CONC_GASDLV_ENFL (20984)	MDC_VENT_ENFL	2::21196
Concentration PartialPressure, Expiration Enflurane, Gas Ventilator	Expiratory partial pressure ventilator enflurane		Replaced by MDC_CONC_GASDLV_ENFL_EXP (21072)	MDC_VENT_ENFL_EXP	2::21256
Concentration PartialPressure, Inspiration Enflurane, Gas Ventilator	Inspiratory partial pressure ventilator enflurane		Replaced by MDC_CONC_GASDLV_ENFL_INSP (21132)	MDC_VENT_ENFL_INSP	2::21316

Table A.7.4.23.1—Deprecated terms for respiratory measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration PartialPressure Halothane, Gas Airway	Partial pressure airway halothane		Replaced by MDC_CONC_AWAY_HALOTH (20960)	MDC_AWAY_HALOTH	2::21172
Concentration PartialPressure, Expiration Halothane, Gas Airway	Expiratory partial pressure airway halothane		Replaced by MDC_CONC_AWAY_HALOTH_EXP (21048)	MDC_AWAY_HALOTH_EXP	2::21232
Concentration PartialPressure, Inspiration Halothane, Gas Airway	Inspiratory partial pressure airway halothane		Replaced by MDC_CONC_AWAY_HALOTH_INSP (21104)	MDC_AWAY_HALOTH_INSP	2::21292
Concentration PartialPressure Halothane, Gas Ventilator	Partial pressure ventilator halothane		Replaced by MDC_CONC_GASDLV_HALOTH (20988)	MDC_VENT_HALOTH	2::21200
Concentration PartialPressure, Expiration Halothane, Gas Ventilator	Expiratory partial pressure ventilator halothane		Replaced by MDC_CONC_GASDLV_HALOTH_EXP (21076)	MDC_VENT_HALOTH_EXP	2::21260
Concentration PartialPressure, Inspiration Halothane, Gas Ventilator	Inspiratory partial pressure ventilator halothane		Replaced by MDC_CONC_GASDLV_HALOTH_INSP (21136)	MDC_VENT_HALOTH_INSP	2::21320
Concentration PartialPressure Isoflurane, Gas Airway	Partial pressure airway isoflurane		Replaced by MDC_CONC_AWAY_ISOFL (20968)	MDC_AWAY_ISOFL	2::21180
Concentration PartialPressure, Expiration Isoflurane, Gas Airway	Expiratory partial pressure airway isoflurane		Replaced by MDC_CONC_AWAY_ISOFL_EXP (21056)	MDC_AWAY_ISOFL_EXP	2::21240
Concentration PartialPressure, Inspiration Isoflurane, Gas Airway	Inspiratory partial pressure airway isoflurane		Replaced by MDC_CONC_AWAY_ISOFL_INSP (21112)	MDC_AWAY_ISOFL_INSP	2::21300
Concentration PartialPressure Isoflurane, Gas Ventilator	Partial pressure ventilator isoflurane		Replaced by MDC_CONC_GASDLV_ISOFL (20996)	MDC_VENT_ISOFL	2::21208
Concentration PartialPressure, Expiration Isoflurane, Gas Ventilator	Expiratory partial pressure ventilator isoflurane		Replaced by MDC_CONC_GASDLV_ISOFL_EXP (21084)	MDC_VENT_ISOFL_EXP	2::21268
Concentration PartialPressure, Inspiration Isoflurane, Gas Ventilator	Inspiratory partial pressure ventilator isoflurane		Replaced by MDC_CONC_GASDLV_ISOFL_INSP (21144)	MDC_VENT_ISOFL_INSP	2::21328

Table A.7.4.23.1—Deprecated terms for respiratory measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration PartialPressure N2O, Gas Airway	Partial pressure airway nitrous oxide		Replaced by MDC_CONC_AWAY_N2O (20976)	MDC_AWAY_N2O	2::21188
Concentration PartialPressure, Expiration N2O, Gas Airway	Expiratory partial pressure airway nitrous oxide		Replaced by MDC_CONC_AWAY_N2O_EXP (21064)	MDC_AWAY_N2O_EXP	2::21248
Concentration PartialPressure, Inspiration N2O, Gas Airway	Inspiratory partial pressure airway nitrous oxide		Replaced by MDC_CONC_AWAY_N2O_INSP (21120)	MDC_AWAY_N2O_INSP	2::21308
Concentration PartialPressure N2O, Gas Ventilator	Partial pressure ventilator nitrous oxide		Replaced by MDC_CONC_GASDLV_N2O (21004)	MDC_VENT_N2O	2::21216
Concentration PartialPressure, Expiration N2O, Gas Ventilator	Expiratory partial pressure ventilator nitrous oxide		Replaced by MDC_CONC_GASDLV_N2O_EXP (21092)	MDC_VENT_N2O_EXP	2::21276
Concentration PartialPressure, Inspiration N2O, Gas Ventilator	Inspiratory partial pressure ventilator nitrous oxide		Replaced by MDC_CONC_GASDLV_N2O_INSP (21152)	MDC_VENT_N2O_INSP	2::21336
Concentration PartialPressure Sevoflurane, Gas Airway	Partial pressure airway sevoflurane		Replaced by MDC_CONC_AWAY_SEVOFL (20964)	MDC_AWAY_SEVOFL	2::21176
Concentration PartialPressure, Expiration Sevoflurane, Gas Airway	Expiratory partial pressure airway sevoflurane		Replaced by MDC_CONC_AWAY_SEVOFL_EXP (21052)	MDC_AWAY_SEVOFL_EXP	2::21236
Concentration PartialPressure, Inspiration Sevoflurane, Gas Airway	Inspiratory partial pressure airway sevoflurane		Replaced by MDC_CONC_AWAY_SEVOFL_INSP (21108)	MDC_AWAY_SEVOFL_INSP	2::21296
Concentration PartialPressure Sevoflurane, Gas Ventilator	Partial pressure ventilator sevoflurane		Replaced by MDC_CONC_GASDLV_SEVOFL (20992)	MDC_VENT_SEVOFL	2::21204
Concentration PartialPressure, Expiration Sevoflurane, Gas Ventilator	Expiratory partial pressure ventilator sevoflurane		Replaced by MDC_CONC_GASDLV_SEVOFL_EXP (21080)	MDC_VENT_SEVOFL_EXP	2::21264

Table A.7.4.23.1—Deprecated terms for respiratory measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration PartialPressure, Inspiration Sevoflurane, Gas Ventilator	Inspiratory partial pressure ventilator sevoflurane		Replaced by MDC_CONC_GASDLV_SEVOFL_INSP (21140)	MDC_VENT_SEVOFL_INSP	2::21324
Concentration PartialPressure CO ₂ , Gas Airway	Partial pressure CO ₂	PCO ₂	Replaced by MDC_CONC_AWAY_CO ₂ (20628)	MDC_AWAY_CO ₂	2::20652
Concentration PartialPressure, EndTidal CO ₂ , Gas Airway	EndTidal CO ₂ partial pressure	Pet CO ₂	Replaced by MDC_CONC_AWAY_CO ₂ _ET (20636)	MDC_AWAY_CO ₂ _ET	2::20656
Concentration PartialPressure, Expiration CO ₂ , Gas Airway	Expiratory CO ₂ partial pressure	PECO ₂	Replaced by MDC_CONC_AWAY_CO ₂ _EXP (20640)	MDC_AWAY_CO ₂ _EXP	2::20660
Concentration PartialPressure, Inspiration CO ₂ , Gas Airway	Inspiratory CO ₂ partial pressure	PICO ₂	Replaced by MDC_CONC_AWAY_CO ₂ _INSP (20644)	MDC_AWAY_CO ₂ _INSP	2::20664
Concentration PartialPressure CO ₂ , Gas Ventilator	CO ₂ partial pressure (ventilator)	PCO ₂	Replaced by MDC_CONC_GASDLV_CO ₂ (21948)	MDC_VENT_AWAY_CO ₂	2::20852
Concentration PartialPressure, EndTidal CO ₂ , Gas Ventilator	EndTidal CO ₂ partial pressure (ventilator)	PEICO ₂	Deprecated	MDC_VENT_AWAY_CO ₂ _E T	2::20856
Concentration PartialPressure, Expiration CO ₂ , Gas Ventilator	Expiratory CO ₂ partial pressure (ventilator)	PECO ₂	Replaced by MDC_CONC_GASDLV_CO ₂ _EXP (21952)	MDC_VENT_AWAY_CO ₂ _E XP	2::20860
Concentration PartialPressure, Inspiration CO ₂ , Gas Ventilator	Inspiratory CO ₂ partial pressure (ventilator)	PICO ₂	Replaced by MDC_CONC_GASDLV_CO ₂ _INSP (21956)	MDC_VENT_AWAY_CO ₂ _IN SP	2::20864
Concentration CO ₂ , Gas Ventilator	Concentration CO ₂ (ventilator)		Replaced by MDC_CONC_GASDLV_CO ₂ (21948)	MDC_VENT_CONC_AWAY_ CO ₂	2::20820
Concentration EndTidal CO ₂ , Gas Ventilator	Concentration CO ₂ end tidal (ventilator)		Deprecated	MDC_VENT_CONC_AWAY_ CO ₂ _ET	2::20824
Concentration Expiration CO ₂ , Gas Ventilator	Concentration CO ₂ expiratory (ventilator)		Replaced by MDC_CONC_GASDLV_CO ₂ _EXP (21952)	MDC_VENT_CONC_AWAY_ CO ₂ _EXP	2::20828
Concentration Inspiration CO ₂ , Gas Ventilator	Concentration CO ₂ inspiratory (ventilator)		Replaced by MDC_CONC_GASDLV_CO ₂ _INSP (21956)	MDC_VENT_CONC_AWAY_ CO ₂ _INSP	2::20832
Concentration PartialPressure NO ₂ , Gas Airway	Partial pressure airway nitrogen dioxide		Replaced by MDC_CONC_AWAY_NO ₂ (20972)	MDC_AWAY_NO ₂	2::21184

Table A.7.4.23.1—Deprecated terms for respiratory measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration PartialPressure, Expiration NO ₂ , Gas Airway	Expiratory partial pressure airway nitrogen dioxide		Replaced by MDC_CONC_AWAY_NO2_EXP (21060)	MDC_AWAY_NO2_EXP	2::21244
Concentration PartialPressure, Inspiration NO ₂ , Gas Airway	Inspiratory partial pressure airway nitrogen dioxide		Replaced by MDC_CONC_AWAY_NO2_INSP (21116)	MDC_AWAY_NO2_INSP	2::21304
Concentration PartialPressure NO ₂ , Gas Ventilator	Partial pressure ventilator nitrogen dioxide		Replaced by MDC_CONC_GASDLV_NO2 (21000)	MDC_VENT_NO2	2::21212
Concentration PartialPressure, Expiration NO ₂ , Gas Ventilator	Expiratory partial pressure ventilator nitrogen dioxide		Replaced by MDC_CONC_GASDLV_NO2_EXP (21088)	MDC_VENT_NO2_EXP	2::21272
Concentration PartialPressure, Inspiration NO ₂ , Gas Ventilator	Inspiratory partial pressure ventilator nitrogen dioxide		Replaced by MDC_CONC_GASDLV_NO2_INSP (21148)	MDC_VENT_NO2_INSP	2::21332
Concentration PartialPressure O ₂ , Gas Airway	O ₂ partial pressure	PO ₂	Replaced by MDC_CONC_AWAY_O2 (20836)	MDC_AWAY_O2	2::20668
Concentration PartialPressure, Expiration O ₂ , Gas Airway	Expiratory O ₂ partial pressure	PEO ₂	Replaced by MDC_CONC_AWAY_O2_EXP (22060)	MDC_AWAY_O2_EXP	2::20676
Concentration PartialPressure, Inspiration O ₂ , Gas Airway	Inspiratory O ₂ partial pressure		Replaced by MDC_CONC_AWAY_O2_INSP (21124)	MDC_AWAY_O2_INSP	2::20680
Concentration PartialPressure O ₂ , Gas Ventilator	O ₂ partial pressure (ventilator)	PO ₂	Replaced by MDC_CONC_GASDLV_O2 (22064)	MDC_VENT_AWAY_O2	2::21220
Concentration O ₂ , Gas Ventilator	Concentration oxygen (ventilator)	FIO ₂	Replaced by MDC_CONC_GASDLV_O2 (22064)	MDC_VENT_CONC_AWAY_O2	2::20648
Concentration PartialPressure, Expiration O ₂ , Gas Ventilator	Expiratory O ₂ partial pressure (ventilator)		Replaced by MDC_CONC_GASDLV_O2_EXP (22068)	MDC_VENT_AWAY_O2_EXP	2::21280
Concentration Expiration O ₂ , Gas Ventilator	Concentration oxygen expiratory (ventilator)	FEO ₂	Replaced by MDC_CONC_GASDLV_O2_EXP (22068)	MDC_VENT_CONC_AWAY_O2_EXP	2::20844

Table A.7.4.23.1—Deprecated terms for respiratory measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Partial Pressure Inspiration O ₂ , Gas Ventilator	Inspiratory O ₂ partial pressure (ventilator)	PIO ₂	Replaced by MDC_CONC_GASDLV_O2_INSP (22072)	MDC_VENT_AWAY_O2_INSP	2::21340
Concentration Inspiration O ₂ , Gas Ventilator	Ventilation inspired oxygen concentration	FIO ₂	Replaced by MDC_CONC_GASDLV_O2_INSP (22072)	MDC_VENT_CONC_AWAY_O2_INSP	2::20848

A.7.4.24 Deprecated RefIds for haemodynamic monitoring measurements

Certain RefIds for haemodynamic monitoring measurements have been deprecated. These are listed in Table A.7.4.24.1.

Table A.7.4.24.1—Deprecated RefIds for respiratory measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Partial Pressure Desflurane, Gas Gas Delivery System or Circuit	Concentration desflurane (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_DESFL (20980)	MDC_VENT_CONC_DESF_L	2::20980
Concentration Partial Pressure, Expiration Desflurane, Gas Gas Delivery System or Circuit	Concentration airway desflurane expiratory (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_DESFL_EXP (21068)	MDC_VENT_CONC_DESF_L_EXP	2::21068
Concentration Partial Pressure, Inspiration Desflurane, Gas Gas Delivery System or Circuit	Concentration airway desflurane inspiratory (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_DESFL_INSP (21128)	MDC_VENT_CONC_DESF_L_INSP	2::21128
Concentration Partial Pressure Enflurane, Gas Gas Delivery System or Circuit	Concentration enflurane (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_ENFL (20984)	MDC_VENT_CONC_ENFL	2::20984

Table A.7.4.24.1—Deprecated Reflds for respiratory measurements (multiple table)

Systematic name	Common term	Acronym	Description/Definition	Refld	Part::Code
Concentration Partial Pressure, Expiration Enflurane, Gas Gas Delivery System or Circuit	Concentration airway enflurane expiratory (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_ENFL_EXP (21072)	MDC_VENT_CONC_ENFL _EXP	2::21072
Concentration Partial Pressure, Inspiration Enflurane, Gas Gas Delivery System or Circuit	Concentration airway enflurane inspiratory (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_ENFL_INSP (21132)	MDC_VENT_CONC_ENFL _INSP	2::21132
Concentration Partial Pressure Halothane, Gas Gas Delivery System or Circuit	Concentration halothane (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_HALOTH (20988)	MDC_VENT_CONC_HALO TH	2::20988
Concentration Partial Pressure, Expiration Halothane, Gas Gas Delivery System or Circuit	Concentration airway halothane expiratory (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_HALOTH_EXP (21076)	MDC_VENT_CONC_HALO TH_EXP	2::21076
Concentration Partial Pressure, Inspiration Halothane, Gas Gas Delivery System or Circuit	Concentration airway halothane inspiratory (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_HALOTH_INSP (21136)	MDC_VENT_CONC_HALO TH_INSP	2::21136
Concentration Partial Pressure Isoflurane, Gas Gas Delivery System or Circuit	Concentration isoflurane (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_ISOFL (20996)	MDC_VENT_CONC_ISOFL	2::20996
Concentration Partial Pressure, Expiration Isoflurane, Gas Gas Delivery System or Circuit	Concentration airway isoflurane expiratory (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_ISOFL_EXP (21084)	MDC_VENT_CONC_ISOFL _EXP	2::21084
Concentration Partial Pressure, Inspiration Isoflurane, Gas Gas Delivery System or Circuit	Concentration airway isoflurane inspiratory (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_ISOFL_INSP (21144)	MDC_VENT_CONC_ISOFL _INSP	2::21144

Table A.7.4.24.1—Deprecated Reflds for respiratory measurements (multiple table)

Systematic name	Common term	Acronym	Description/Definition	Refld	Part::Code
Concentration Partial Pressure N ₂ O, Gas Gas Delivery System	Concentration N ₂ O (gas delivery system)		Replaced by MDC_CONC_GASDLV_N2O (21004)	MDC_VENT_CONC_N2O	2::21004
Concentration Partial Pressure, Expiration N ₂ O, Gas Gas Delivery System	Concentration airway nitrous oxide expiratory (gas delivery system)		Replaced by MDC_CONC_GASDLV_N2O_EXP (21092)	MDC_VENT_CONC_N2O_EXP	2::21092
Concentration Partial Pressure, Inspiration N ₂ O, Gas Gas Delivery System	Concentration airway nitrous oxide inspiratory (gas delivery system)		Replaced by MDC_CONC_GASDLV_N2O_INSP (21152)	MDC_VENT_CONC_N2O_INSP	2::21152
Concentration Partial Pressure Sevoflurane, Gas Gas Delivery System or Circuit	Concentration sevoflurane (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_SEVOFL (20992)	MDC_VENT_CONC_SEVO FL	2::20992
Concentration Partial Pressure, Expiration Sevoflurane, Gas Gas Delivery System or Circuit	Concentration airway sevoflurane expiratory (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_SEVOFL_EXP (21080)	MDC_VENT_CONC_SEVO FL_EXP	2::21080
Concentration Partial Pressure, Inspiration Sevoflurane, Gas Gas Delivery System or Circuit	Concentration airway sevoflurane inspiratory (gas delivery system or circuit)		Replaced by MDC_CONC_GASDLV_SEVOFL_INSP (21140)	MDC_VENT_CONC_SEVO FL_INSP	2::21140
Concentration Partial Pressure CO ₂ , Gas Gas Delivery System	Concentration carbon dioxide (gas delivery system)	%CO ₂ , CO ₂ , pCO ₂	Replaced by MDC_CONC_GASDLV_CO2 (21948)	MDC_VENT_CONC_CO2	2::21948
Concentration Partial Pressure, Expiration CO ₂ , Gas Gas Delivery System	Concentration airway carbon dioxide expiratory (gas delivery system)		Replaced by MDC_CONC_GASDLV_CO2_EXP (21952)	MDC_VENT_CONC_CO2_EXP	2::21952

Table A.7.4.24.1—Deprecated Reflds for respiratory measurements (multiple table)

Systematic name	Common term	Acronym	Description/Definition	Refld	Part::Code
Concentration Partial Pressure, Inspiration CO ₂ , Gas Gas Delivery System	Concentration airway carbon dioxide inspiratory (gas delivery system)	FICO ₂	Replaced by MDC_CONC_GASDLV_CO2_INSP (21956)	MDC_VENT_CONC_CO2_I NSP	2::21956
Concentration Difference (Inspiration, Expiration) Substance, Gas Ventilator	Diff. inspired and expired substance conc. (ventilator)		Replaced by MDC_CONC_GASDLV_SUBST_DELTA (21008)	MDC_VENT_CONC_SUBS T_DELTA	2::21008
Concentration Partial Pressure NO ₂ , Gas Gas Delivery System	Concentration NO ₂ (gas delivery system)		Replaced by MDC_CONC_GASDLV_NO2 (21000)	MDC_VENT_CONC_NO2	2::21000
Concentration Partial Pressure, Expiration NO ₂ , Gas Gas Delivery System	Concentration airway nitrogen dioxide expiratory (gas delivery system)		Replaced by MDC_CONC_GASDLV_NO2_EXP (21088)	MDC_VENT_CONC_NO2_ EXP	2::21088
Concentration Partial Pressure, Inspiration NO ₂ , Gas Gas Delivery System	Concentration airway nitrogen dioxide inspiratory (gas delivery system)		Replaced by MDC_CONC_GASDLV_NO2_INSP (21148)	MDC__CONC_NO2_INSP	2::21148
Concentration Partial Pressure O ₂ , Gas Gas Delivery System or Circuit	Concentration oxygen (gas delivery system or circuit)	%O ₂ , O ₂ , pO ₂	Replaced by MDC_CONC_GASDLV_O2 (22064)	MDC_VENT_CONC_O2	2::22064
Concentration Partial Pressure, Expiration O ₂ , Gas Gas Delivery System or Circuit	Concentration airway oxygen expiratory (gas delivery system or circuit)	FEO ₂	Replaced by MDC_CONC_GASDLV_O2_EXP (22068)	MDC_VENT_CONC_O2_E XP	2::22068
Concentration Partial Pressure, Inspiration O ₂ , Gas Gas Delivery System or Circuit	Concentration airway oxygen inspiratory (gas delivery system or circuit)	%FIO ₂ , FIO ₂	Replaced by MDC_CONC_GASDLV_O2_INSP (22072)	MDC_VENT_CONC_O2_IN SP	2::22072
Concentration Difference (Inspiration, Expiration) O ₂ , Gas Ventilator	Diff. inspired and expired oxygen conc. (ventilator)	FI-EO ₂	Replaced by MDC_CONC_GASDLV_O2_DELTA (20840)	MDC_VENT_CONC_AWAY _O2_DELTA	2::20840

Table A.7.4.24.1—Deprecated Reflds for respiratory measurements *(multiple table)*

Systematic name	Common term	Acronym	Description/Definition	Refld	Part::Code
Concentration Difference (PartialPressureInspiration, PartialPressureExpiration) O ₂ , Gas Airway	O ₂ pressure difference	PI-EO ₂	Replaced by MDC_CONC_AWAY_O2_DELTA (20672)	MDC_AWAY_O2_DELTA	2::20672
Concentration PartialPressure N ₂ , Gas Airway	Concentration (or partial pressure) of nitrogen in airway gas	%N ₂ , N ₂	Replaced by MDC_CONC_AWAY_N2 (21372)	MDC_AWAY_N2	2::21372
Concentration PartialPressure, Expiration N ₂ , Gas Airway	End tidal nitrogen concentration (or partial pressure) in airway gas	%N ₂ ET, ETN ₂	Replaced by MDC_CONC_AWAY_N2_ET (21376)	MDC_AWAY_N2_ET	2::21376
Concentration PartialPressure, Inspiration N ₂ , Gas Airway	Inspiratory nitrogen concentration (or partial pressure) in airway gas		Replaced by MDC_CONC_AWAY_N2_INSP (21380)	MDC_AWAY_N2_INSP	2::21380
Concentration Agent, Gas Airway	Concentration airway agent		Replaced by MDC_CONC_AWAY_AGENT (21384)	MDC_AWAY_AGENT	2::21384
Concentration EndTidal Agent, Gas Airway	Concentration airway agent end tidal		Replaced by MDC_CONC_AWAY_AGENT_ET (21388)	MDC_AWAY_AGENT_ET	2::21388
Concentration Inspiration Agent, Gas Airway	Concentration airway agent inspiration		Replaced by MDC_CONC_AWAY_AGENT_INSP (21392)	MDC_AWAY_AGENT_INS P	2::21392

A.7.4.25 Deprecated terms for undefined respiratory measurements from Annex B

Certain terms for respiratory measurements have been deprecated. These are listed in Table A.7.4.25.1.

Table A.7.4.25.1—Deprecated nomenclature for undefined respiratory measurements from Annex B

Systematic name	Common term	Acronym	Description/Definition/Use	Refld	Part::Code
			Use MDC_VENT_PRESS_RESP_PLAT (21352)	MDC_VENT_PRESS_PLAT	2::20888

A.7.4.26 Nomenclature and codes for nebulizers

Table A.7.4.26.1 lists the nomenclature and codes for nebulizers.

Table A.7.4.26.1—Nomenclature and codes for nebulizers (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Type Device Nebulizer	Nebulizer type		Specifies the nebulizer type, such as an aerosolizer (using a micro pump) or pneumatic (using an external air or oxygen supply).	MDC_NEB_DEV_TYPE	2::53336
Status Operational Device Nebulizer	Nebulizer status		Specifies the nebulizer operational status, such as nebulizer on/off, nebulizer failure, no nebulizer, nebulizer not connected and other information.	MDC_NEB_DEV_STATUS	2::53337
Mode Nebulization Mode Nebulizer	Nebulizer mode		Specifies the nebulizer operational mode, including intermittent, scheduled or continuous modes.	MDC_NEB_DEV_MODE	2::53338
Mode Nebulization Mode Nebulizer	(set) nebulizer mode		Specifies the nebulizer operational mode, including intermittent, scheduled or continuous modes. Selecting intermittent mode delivers a single timed delivery based on the programmed run time and/or volume, and for scheduled mode, the number of cycles and pause time between cycles. Selecting continuous mode delivers nebulized medication until the medication runs out or delivery is stopped.	MDC_NEB_DEV_MODE_SETTING	258::53338
Duration Delivery Nebulization of fluid, per cycle Nebulizer, setting	Nebulizer run time		Nebulizer run-time per delivery cycle.	MDC_NEB_TIME_PD_PER_CYCLE	2::22272
Duration Delivery Nebulization of fluid, per cycle Nebulizer, setting	(set) nebulizer run time		Specifies the nebulizer run-time per delivery cycle.	MDC_NEB_TIME_PD_PER_CYCLE_SETTING	258::22272
Volume Delivery Fluid nebulized per cycle Nebulization Nebulizer	Fluid nebulized per cycle		Volume of fluid nebulized per cycle.	MDC_NEB_VOL_FLUID_PER_CYCLE	2::22276
Volume Delivery Fluid to be nebulized, per cycle Nebulizer, setting	(set) nebulizer volume		Specifies the nebulizer volume per delivery cycle.	MDC_NEB_VOL_FLUID_PER_CYCLE_SETTING	258::22276
Count, cycles Nebulization delivery cycles Nebulization of fluid Nebulizer, setting	(set) nebulizer cycles		Specifies the number of nebulizer delivery cycles having a specified run time and/or volume when operating in scheduled mode.	MDC_NEB_CYCLES_SETTING	258::22280
Duration Inter-delivery Pause between nebulization deliveries Nebulizer	Nebulizer pause time		The pause (time duration) between nebulizer delivery cycles when operating in scheduled mode.	MDC_NEB_TIME_PD_PAUSE	2::22284

Table A.7.4.26.1—Nomenclature and codes for nebulizers (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part:Code
Duration Inter-delivery Pause between nebulization deliveries Nebulizer, setting	(set) nebulizer pause time		Specifies the pause (time duration) between nebulizer delivery cycles when operating in scheduled mode.	MDC_NEB_TIME_PD_PAUSE_SETTING	258::22284
Count, cycles Completed Nebulization Nebulizer	Completed number of cycles		Number of cycles completed, excluding the current cycle.	MDC_NEB_CYCLES	2::22280
Count, cycles Remaining Nebulization Nebulizer	Remaining number of cycles		Number of cycles remaining, including the current cycle. Transitions to zero when delivery completed.	MDC_NEB_CYCLES_REMAINING	2::22288
Duration Delivery Remaining nebulization time, current cycle Nebulization Nebulizer	Remaining nebulization time for current cycle		Remaining nebulization time for current cycle. Transitions to zero at the start of the pause interval when delivery for the current cycle is completed.	MDC_NEB_TIME_PD_REMAINING_CURR_CYCLE	2::22292
Duration Delivery Remaining nebulization time, total Nebulization Nebulizer	Total remaining nebulization time for current set of delivery cycles		Total remaining nebulization delivery time for current set of delivery cycles (does not include pause time).	MDC_NEB_TIME_PD_REMAINING_TOTAL	2::22296
Duration Elapsed nebulization time, current cycle Nebulization Nebulizer	Elapsed nebulization time for current cycle		Elapsed time that fluid has been nebulized for current cycle.	MDC_NEB_TIME_PD_ELAPSED_CURR_CYCLE	2::22300
Volume Elapsed nebulization time, total Nebulization Nebulizer	Total elapsed nebulization time for current set of delivery cycles		Total elapsed time that fluid that has been nebulized for current set of delivery cycles.	MDC_NEB_TIME_PD_ELAPSED_TOTAL	2::22304
Volume Remaining fluid to be nebulized, current cycle Nebulization Nebulizer	Remaining fluid to be nebulized for current cycle		Estimated remaining volume of fluid to be nebulized for current cycle.	MDC_NEB_VOL_FLUID_REMAINING_CURR_CYCLE	2::22308
Volume Remaining fluid to be nebulized, total Nebulization Nebulizer	Total remaining fluid to be nebulized for current set of delivery cycles		Estimated total remaining volume of fluid to be nebulized for current set of delivery cycles.	MDC_NEB_VOL_FLUID_REMAINING_TOTAL	2::22312
Volume Fluid nebulized, current cycle Nebulization Nebulizer	Volume of fluid that has been nebulized for current cycle		Estimated volume of fluid that has been nebulized for current cycle.	MDC_NEB_VOL_FLUID_DELIVERED_CURR_CYCLE	2::22316

Table A.7.4.26.1—Nomenclature and codes for nebulizers (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Volume Fluid nebulized, total Nebulization Nebulizer	Total volume of fluid that has been nebulized for current set of delivery cycles		Estimated volume of fluid that has been nebulized for current set of delivery cycles.	MDC_NEB_VOL_FLUID_DEL IV_TOTAL	2::22320
Flow, additional Inspiratory airway Gas Nebulizer, pneumatic	Nebulizer Flow		Additional inspiratory gas flow due to pneumatic nebulizer, externally indicated by a wall flow meter or other sensor. This information can be manually or automatically entered and typically requires compensation by the ventilator.	MDC_VENT_FLOW_NEBULI ZER	2::22324

NOTE—For example, consider a nebulizer programmed for two cycles (MDC_NEB_CYCLES_SETTING = 2) with an ‘on’ time MDC_NEB_TIME_PD_PER_CYCLE_SETTING of five (5) minutes and a cycle ‘pause’ time MDC_NEB_TIME_PD_PAUSE_SETTING of three (3) minutes, the following information would be periodically reported at one minute intervals:

MDC_NEB_CYCLES_REMAIN	0	2	2	2	2	2	2	2	2	1	1	1	1	1	1	0	0
MDC_NEB_TIME_PD_REMAIN_CURR_CYCLE	0	5	4	3	2	1	0	0	0	5	4	3	2	1	0	0	0
MDC_NEB_TIME_PD_REMAIN_TOTAL	0	10	9	8	7	6	5	5	5	4	3	2	1	0	0	0	0
MDC_NEB_TIME_PD_ELAPSED_CURR_CYCLE	0	0	1	2	3	4	5	5	5	0	1	2	3	4	5	5	0
MDC_NEB_TIME_PD_ELAPSED_TOTAL	0	0	1	2	3	4	5	5	5	5	6	7	8	9	10	10	0

A.7.5 Nomenclature, data dictionary, and codes for common blood-gas, blood, urine, and other fluid chemistry measurements**A.7.5.1 Introduction**

Subclause A.7.5 presents additions to the nomenclature scheme for commonly measured biochemical properties of blood, urine, and other body fluids. The purpose of the addition of Table A.7.5.1 is to try to encompass the patient-connected devices within the ICU setting that may measure, in real time, certain blood-gas, urinary, or other fluid chemical components. In addition, Table A.7.5.1 may be used for an ICU blood-gas analyzer, which connects into an ICU bedside information system. Certain terms may occur in other nomenclature tables, e.g., Table A.7.3.1 (haemodynamic) or Table A.7.6.1 (fluids).

A.7.5.2 Base concepts

The base concepts represent the more general measurement type. Applicable descriptors are as follows:

- **Concentration** (the concentration of chemical components of substances)
- **Duration** (a time duration)
- **Index** (a mathematical formula with many terms)
- **Osmolality** (the osmolality of a component or substance)
- **Ratio** (e.g., specific gravity)

A.7.5.3 First set of differentiating criteria

Three semantic links are applied for the first set of differentiating criteria.

A.7.5.3.1 Semantic link "*specific measurement type*:"

The first semantic link represents the more specific measurement type. Applicable descriptors are as follows:

- **BaseExcess** (the concentration of a base in blood [unit: millimol per liter])
- **Coagulation**
- **Saturation**
- **SpecificGravity**
- **Total**

A.7.5.3.2 Semantic link "*specific substance*:"

The second semantic link specifies the substance measured. Applicable descriptors are as follows:

- **Ca** (calcium ion)
- **Chloride**
- **CoHb** (carboxy-haemoglobin)
- **Glucose**
- **H+** (hydrogen ion)
- **Hb** (haemoglobin)
- **hCO₃** (bicarbonate)
- **HCT** (haematocrit)

- **K** (potassium ion)
- **MetHb** (met-haemoglobin)
- **Na** (sodium ion)
- **O₂Hb** (oxy-haemoglobin)
- **Oxygen**
- **pCO₂** (carbon dioxide)
- **pO₂** (oxygen)
- **Urea**

A.7.5.3.3 Semantic link "*is computed as*:"

The third semantic link further specifies how the term is calculated. It is applied to measurements involving H⁺. For example, pH is a logarithmic derivation of the hydrogen ion concentration expressed by linear H⁺ (i.e., $\text{pH} = \log_{10}(\text{H}^+) - 1$). Applicable descriptors are as follows:

- **Linear**
- **Logarithmic**

A.7.5.4 Second set of differentiating criteria

These criteria represent the particular body compartment, i.e., the fluid type from which the sample was taken or where the transducer is located.

A.7.5.4.1 Semantic link "*concerns fluid type*:"

Possible descriptors are the following:

- **ArterialBlood**
- **Aspirate**
- **CSF** (cerebrospinal fluid)
- **Drainage**
- **Esophageal** (fluid)
- **Gastric** (fluid)
- **General** (fluid)
- **Plasma**
- **PulmonaryArterialBlood**
- **PulmonaryVenousBlood**
- **Serum**
- **Urine**
- **VenousBlood**

A.7.5.5 Third set of differentiating criteria

These criteria represent the general functional system, in order to differentiate these tables from others.

A.7.5.5.1 Semantic link "*pertains to system*:"

Possible descriptors are the following:

- **BloodChemistry**
- **FluidChemistry**
- **UrineChemistry**

A.7.5.6 Code table

See Table A.7.5.6.1 for the nomenclature and codes for common blood-gas, blood, urine, and other fluid chemistry measurements.

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Table A.7.5.6.1—Nomenclature and codes for common blood-gas, blood, urine, and other fluid chemistry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Saturation, Oxygen Blood BloodChemistry	Oxygen saturation			MDC_SAT_O2	2::19244
Concentration Saturation, Oxygen, Quality Blood BloodChemistry	Quality oxygen saturation			MDC_SAT_O2_QUAL	2::19248
Concentration Saturation, Oxygen ArterialBlood BloodChemistry	Arterial oxygen saturation			MDC_SAT_O2_ART	2::19252
Concentration Saturation, Oxygen Cerebral BloodChemistry	Cerebral oxygen saturation			MDC_SAT_O2_CEREB	2::19256
Concentration Saturation, Oxygen VenousBlood BloodChemistry	Venous oxygen saturation			MDC_SAT_O2_VEN	2::19260
Concentration Saturation, Oxygen ArterialBlood BloodChemistry	Arterial oxygen saturation			MDC_SAT_DIFF_O2_ART_A LV	2::19264
Concentration Saturation, Oxygen ArterialBlood BloodChemistry	Arterial oxygen saturation			MDC_SAT_DIFF_O2_ART	2::19268
Concentration Saturation, Oxygen PulmonaryArterialBlood BloodChemistry	Pulmonary artery oxygen saturation			MDC_SAT_O2_ART_PULM	2::19372
Concentration Saturation, Oxygen Blood BloodChemistry	Oxygen saturation			MDC_PULS_OXIM_PERF_R EL	2::19376
Concentration Saturation, Oxygen Blood BloodChemistry	Oxygen saturation			MDC_PULS_OXIM_SAT_O2	2::19384
Concentration Saturation, Oxygen, Continuous Blood BloodChemistry	Continuous oxygen saturation			MDC_PULS_OXIM_SAT_O2 _CTS	2::19388
Concentration Saturation, Oxygen Blood BloodChemistry	Oxygen saturation			MDC_PULS_OXIM_SAT_O2 (NONCTS)	2::19392
Concentration Saturation, Oxygen Blood BloodChemistry	Oxygen saturation			MDC_PULS_OXIM_SAT_O2 _DIFF	2::19396
Concentration Saturation, Oxygen ArteryLeftBlood BloodChemistry	Oxygen saturation			MDC_PULS_OXIM_SAT_O2 _ART_LEFT	2::19400

Table A.7.5.6.1—Nomenclature and codes for common blood-gas, blood, urine, and other fluid chemistry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Saturation, Oxygen Artery/RightBlood BloodChemistry	Oxygen saturation			MDC_PULS_OXIM_SAT_O2_ART_RIGHT	2::19404
Concentration Saturation, Oxygen Blood BloodChemistry	Oxygen saturation			MDC_NBP_SAT_O2_ART	2::19408
Concentration Saturation, Oxygen Blood BloodChemistry	Oxygen saturation			MDC_DESAT	2::19412
Transmission Pulse Oximetry	Transmission of pulse oximetry			MDC_TRANSMISSION	2::19496
Transmission, Red Pulse Oximetry	Transmission of red LED signal in pulse oximetry			MDC_TRANSMISSION_RED	2::19500
Transmission, Infrared Pulse Oximetry	Transmission of infrared LED in pulse oximetry			MDC_TRANSMISSION_INF RARED	2::19504
Concentration Total, H+, Logarithmic ArterialBlood FluidChemistry	Arterial blood fluid pH			MDC_CONC_PH_ART	2::28676
Concentration Total, H+, Linear ArterialBlood FluidChemistry	Arterial blood fluid H+			MDC_CONC_H_ION_ART	2::29068
Concentration Total, H+, Linear Urine FluidChemistry	Urine fluid H+			MDC_CONC_H_ION_URINE	2::29076
Concentration Total, pCO2 ArterialBlood FluidChemistry	Arterial blood pCO ₂			MDC_CONC_PCO2_ART	2::28680
Concentration Total, pO2 ArterialBlood FluidChemistry	Arterial blood pO ₂			MDC_CONC_PO2_ART	2::28684
Concentration Total, hCO3 ArterialBlood FluidChemistry	Arterial blood bicarbonate ion concentration			MDC_CONC_HCO3_ART	2::28688
Concentration Total, Hb ArterialBlood FluidChemistry	Arterial blood haemoglobin concentration			MDC_CONC_HB_ART	2::28692
Concentration Total, O2Hb ArterialBlood FluidChemistry	Arterial blood oxy-haemoglobin concentration			MDC_CONC_HB_O2_ART	2::28696

Table A.7.5.6.1—Nomenclature and codes for common blood-gas, blood, urine, and other fluid chemistry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Total, MetHb ArterialBlood FluidChemistry	Arterial blood met- haemoglobin concentration			MDC_CONC_HB_MET_ART	2::28700
Concentration Total, CoHb ArterialBlood FluidChemistry	Arterial blood carboxy- haemoglobin concentration			MDC_CONC_HB_CO_ART	2::28704
Concentration Total, HCT ArterialBlood FluidChemistry	Arterial blood haematocrit concentration			MDC_CONC_HCT_ART	2::28996
Concentration Total, Na ArterialBlood FluidChemistry	Arterial blood sodium ion concentration			MDC_CONC_NA_ART	2::28708
Concentration Total, K ArterialBlood FluidChemistry	Arterial blood potassium ion concentration			MDC_CONC_K_ART	2::28712
Concentration Total, Chloride ArterialBlood FluidChemistry	Arterial blood chloride ion concentration			MDC_CONC_CHLOR_ART	2::29000
Concentration Total, Glucose ArterialBlood FluidChemistry	Arterial blood glucose concentration			MDC_CONC_GLU_ART	2::28716
Concentration Total, Ca ArterialBlood FluidChemistry	Arterial blood calcium ion concentration			MDC_CONC_CA_ART	2::28720
Concentration Total, Urea ArterialBlood FluidChemistry	Arterial blood urea concentration			MDC_CONC_UREA_ART	2::29008
Concentration Total, H+, Logarithmic VenousBlood FluidChemistry	Venous blood fluid pH			MDC_CONC_PH_VEN	2::28724
Concentration Total, H+, Linear VenousBlood FluidChemistry	Venous blood fluid H+			MDC_CONC_H_ION_VEN	2::29072
Concentration Total, pCO2 VenousBlood FluidChemistry	Venous blood pCO ₂			MDC_CONC_PCO2_VEN	2::28728
Concentration Total, pO2 VenousBlood FluidChemistry	Venous blood pO ₂			MDC_CONC_PO2_VEN	2::28732

Table A.7.5.6.1—Nomenclature and codes for common blood-gas, blood, urine, and other fluid chemistry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Total, hCO ₃ VenousBlood FluidChemistry	Venous blood bicarbonate ion concentration			MDC_CONC_HCO3_VEN	2::28736
Concentration Total, Hb VenousBlood FluidChemistry	Venous blood haemoglobin concentration			MDC_CONC_HB_VEN	2::28740
Concentration Total, O ₂ Hb VenousBlood FluidChemistry	Venous blood oxy-haemoglobin concentration			MDC_CONC_HB_O2_VEN	2::28744
Concentration Total, MetHb VenousBlood FluidChemistry	Venous blood met-haemoglobin concentration			MDC_CONC_HB_MET_VEN	2::28748
Concentration Total, CoHb VenousBlood FluidChemistry	Venous blood carboxy-haemoglobin concentration			MDC_CONC_HB_CO_VEN	2::28752
Concentration Total, HCT VenousBlood FluidChemistry	Venous blood haematocrit concentration			MDC_CONC_HCT_VEN	2::29012
Concentration Total, Na VenousBlood FluidChemistry	Venous blood sodium ion concentration			MDC_CONC_NA_VEN	2::28756
Concentration Total, K VenousBlood FluidChemistry	Venous blood potassium ion concentration			MDC_CONC_K_VEN	2::28760
Concentration Total, Chloride VenousBlood FluidChemistry	Venous blood chloride ion concentration			MDC_CONC_CHLOR_VEN	2::29016
Concentration Total, Glucose VenousBlood FluidChemistry	Venous blood glucose concentration			MDC_CONC_GLU_VEN	2::28764
Concentration Total, Ca VenousBlood FluidChemistry	Venous blood calcium ion concentration			MDC_CONC_CA_VEN	2::28768
Concentration Total, Urea VenousBlood FluidChemistry	Venous blood urea concentration			MDC_CONC_UREA_VEN	2::29020

Table A.7.5.6.1—Nomenclature and codes for common blood-gas, blood, urine, and other fluid chemistry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Total, H ⁺ , Logarithmic Urine FluidChemistry	Urine fluid pH			MDC_CONC_PH_URINE	2::28772
Concentration Total, HCO ₃ Urine FluidChemistry	Urine bicarbonate ion concentration			MDC_CONC_HCO3_URINE	2::28776
Concentration Total, Na Urine FluidChemistry	Urine sodium ion concentration			MDC_CONC_NA_URINE	2::28780
Concentration Total, K Urine FluidChemistry	Urine potassium ion concentration			MDC_CONC_K_URINE	2::28784
Concentration Total, Glucose Urine FluidChemistry	Urine glucose concentration			MDC_CONC_GLU_URINE	2::28788
Concentration Total, Ca Urine FluidChemistry	Urine calcium ion concentration			MDC_CONC_CA_URINE	2::28792
Concentration Total, Urea Urine FluidChemistry	Urine urea concentration			MDC_CONC_UREA_URINE	2::28796
Concentration Total, H ⁺ , Logarithmic Aspirate FluidChemistry	Aspirate fluid pH			MDC_CONC_PH_ASPIR	2::28800
Concentration Total, H ⁺ , Linear Aspirate FluidChemistry	Aspirate fluid H ⁺			MDC_CONC_H_ION_ASPIR	2::29080
Concentration Total, HCO ₃ Aspirate FluidChemistry	Aspirate bicarbonate ion concentration			MDC_CONC_HCO3_ASPIR	2::28804
Concentration Total, Na Aspirate FluidChemistry	Aspirate sodium ion concentration			MDC_CONC_NA_ASPIR	2::28808
Concentration Total, K Aspirate FluidChemistry	Aspirate potassium ion concentration			MDC_CONC_K_ASPIR	2::28812
Concentration Total, Glucose Aspirate FluidChemistry	Aspirate glucose concentration			MDC_CONC_GLU_ASPIR	2::28816
Concentration Total, Ca Aspirate FluidChemistry	Aspirate calcium ion concentration			MDC_CONC_CA_ASPIR	2::28820

Table A.7.5.6.1—Nomenclature and codes for common blood-gas, blood, urine, and other fluid chemistry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Total, H ⁺ , Logarithmic Drainage FluidChemistry	Drainage fluid pH			MDC_CONC_PH_DRAIN	2::28824
Concentration Total, H ⁺ , Linear Drainage FluidChemistry	Drainage fluid H ⁺			MDC_CONC_H_ION_DRAIN	2::29084
Concentration Total, HCO ₃ Drainage FluidChemistry	Drainage bicarbonate ion concentration			MDC_CONC_HCO3_DRAIN	2::28828
Concentration Total, Na Drainage FluidChemistry	Drainage sodium ion concentration			MDC_CONC_NA_DRAIN	2::28832
Concentration Total, K Drainage FluidChemistry	Drainage potassium ion concentration			MDC_CONC_K_DRAIN	2::28836
Concentration Total, Glucose Drainage FluidChemistry	Drainage glucose concentration			MDC_CONC_GLU_DRAIN	2::28840
Concentration Total, Ca Drainage FluidChemistry	Drainage calcium ion concentration			MDC_CONC_CA_DRAIN	2::28844
Concentration Total, H ⁺ , Logarithmic Plasma FluidChemistry	Plasma fluid pH			MDC_CONC_PH_PLASMA	2::28848
Concentration Total, H ⁺ , Linear Plasma FluidChemistry	Plasma fluid H ⁺			MDC_CONC_H_ION_PLASMA	2::29088
Concentration Total, pCO ₂ Plasma FluidChemistry	Plasma pCO ₂			MDC_CONC_PCO2_PLASMA	2::28852
Concentration Total, HCO ₃ Plasma FluidChemistry	Plasma bicarbonate ion concentration			MDC_CONC_HCO3_PLASMA	2::28856
Concentration Total, Na Plasma FluidChemistry	Plasma sodium ion concentration			MDC_CONC_NA_PLASMA	2::28860
Concentration Total, K Plasma FluidChemistry	Plasma potassium ion concentration			MDC_CONC_K_PLASMA	2::28864
Concentration Total, Chloride Plasma FluidChemistry	Plasma chloride ion concentration			MDC_CONC_CHLOR_PLASMA	2::29024

Table A.7.5.6.1—Nomenclature and codes for common blood-gas, blood, urine, and other fluid chemistry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part:Code
Concentration Total, Glucose Plasma FluidChemistry	Plasma glucose concentration			MDC_CONC_GLU_PLASMA	2::28868
Concentration Total, Ca Plasma FluidChemistry	Plasma calcium ion concentration			MDC_CONC_CA_PLASMA	2::28872
Concentration Total, Urea Plasma FluidChemistry	Plasma urea concentration			MDC_CONC_UREA_PLASMA	2::29028
Concentration Total, H ⁺ , Logarithmic Serum FluidChemistry	Serum fluid pH			MDC_CONC_PH_SERUM	2::28876
Concentration Total, H ⁺ , Linear Serum FluidChemistry	Serum fluid H ⁺			MDC_CONC_H_ION_SERUM	2::29092
Concentration Total, pCO ₂ Serum FluidChemistry	Serum pCO ₂			MDC_CONC_PCO2_SERUM	2::28880
Concentration Total, hCO ₃ Serum FluidChemistry	Serum bicarbonate ion concentration			MDC_CONC_HCO3_SERUM	2::28884
Concentration Total, Na Serum FluidChemistry	Serum sodium ion concentration			MDC_CONC_NA_SERUM	2::28888
Concentration BaseExcess ArterialBlood BloodChemistry	Base Excess of Arterial Blood	BE	Base excess of arterial blood.	MDC_BASE_EXCESS_BLD_ART	2::29180
Concentration Total, Ca, Logarithmic, Normalized to pH 7.4 ArterialBlood FluidChemistry	Ionized Calcium, Normalized to pH 7.4	iCa(N)	Ionized calcium in blood fluid, normalized to pH 7.4.	MDC_CONC_CA_PH_NORMALIZED_ART	2::29184
Concentration Oxygen content, total, bound and unbound to hemoglobin ArterialBlood FluidChemistry, Pulse Oximetry	(Estimated) Arterial Oxygen Content	Sp-OC CaO ₂	An estimate of the amount of oxygen bound to hemoglobin plus the amount of oxygen dissolved in arterial blood (not bound to hemoglobin).	MDC_PULS_OXIM_CONC_HB_O2_ART_CALC	2::29208
Concentration Carboxyhemoglobin ArterialBlood FluidChemistry, Pulse Oximetry	Arterial blood carboxyhemoglobin concentration	Sp-CO	Carboxyhemoglobin concentration in the arterial blood, measured by pulse oximetry.	MDC_PULS_OXIM_HB_CO_ART	2::29212
Concentration Methemoglobin ArterialBlood FluidChemistry, Pulse Oximetry	Arterial blood methemoglobin concentration	Sp-Met	Methemoglobin concentration in the arterial blood, measured by pulse oximetry.	MDC_PULS_OXIM_HB_MET_ART	2::29216

Table A.7.5.6.1—Nomenclature and codes for common blood-gas, blood, urine, and other fluid chemistry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Hb, total ArterialBlood FluidChemistry, Pulse Oximetry	Arterial blood hemoglobin concentration	Sp-Hb	Total Hemoglobin concentration in the arterial blood, measured by pulse oximetry.	MDC_PULS_OXIM_HB_TOT_AL_ART	2::29220
Concentration Saturation, Oxygen ArterialBlood, Preductal FluidChemistry, Pulse Oximetry	Preductal SpO ₂		Preductal oxygen saturation measured at a site that receives blood flow from the aorta before the level of the ductus arteriosus (see Note 1).	MDC_PULS_OXIM_SAT_O2_ART_PREDUCTAL	2::29224
Concentration Total, K Serum FluidChemistry	Serum potassium ion concentration			MDC_CONC_K_SERUM	2::28892
Concentration Total, Glucose Serum FluidChemistry	Serum glucose concentration			MDC_CONC_GLU_SERUM	2::28896
Concentration Total, Ca Serum FluidChemistry	Serum calcium ion concentration			MDC_CONC_CA_SERUM	2::28900
Concentration Total, H ⁺ , Logarithmic CSF FluidChemistry	Cerebro-spinal fluid pH			MDC_CONC_PH_CSF	2::28904
Concentration Total, H ⁺ , Linear CSF FluidChemistry	Cerebro-spinal fluid H ⁺			MDC_CONC_H_ION_CSF	2::29096
Concentration Total, pCO ₂ CSF FluidChemistry	Cerebro-spinal fluid pCO ₂			MDC_CONC_PCO2_CSF	2::28908
Concentration Total, hCO ₃ CSF FluidChemistry	Cerebro-spinal fluid bicarbonate ion concentration			MDC_CONC_HCO3_CSF	2::28912
Concentration Total, Na CSF FluidChemistry	Cerebro-spinal fluid sodium ion concentration			MDC_CONC_NA_CSF	2::28916
Concentration Total, K CSF FluidChemistry	Cerebro-spinal fluid potassium ion concentration			MDC_CONC_K_CSF	2::28920
Concentration Total, Glucose CSF FluidChemistry	Cerebro-spinal fluid glucose concentration			MDC_CONC_GLU_CSF	2::28924
Concentration Total, Ca CSF FluidChemistry	Cerebro-spinal fluid calcium ion concentration			MDC_CONC_CA_CSF	2::28928

Table A.7.5.6.1—Nomenclature and codes for common blood-gas, blood, urine, and other fluid chemistry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Total, H ⁺ , Logarithmic General FluidChemistry	General fluid pH			MDC_CONC_PH_GEN	2::28932
Concentration Total, H ⁺ , Linear General FluidChemistry	General fluid H ⁺			MDC_CONC_H_ION_GEN	2::29100
Concentration Total, Chlorine General FluidChemistry	General fluid Chlorine			MDC_CONC_CHLOR_GEN	2::29032
Concentration Total, pCO ₂ General FluidChemistry	General fluid pCO ₂			MDC_CONC_PCO2_GEN	2::28992
Concentration Total, pO ₂ General FluidChemistry	General fluid pO ₂			MDC_CONC_PO2_GEN	2::29044
Concentration Total, hCO ₃ General FluidChemistry	General bicarbonate ion concentration			MDC_CONC_HCO3_GEN	2::28936
Concentration Total, Sodium General FluidChemistry	General sodium ion concentration			MDC_CONC_NA_GEN	2::28940
Concentration Total, Potassium General FluidChemistry	General potassium ion concentration			MDC_CONC_K_GEN	2::28944
Concentration Total, glucose General FluidChemistry	General glucose concentration			MDC_CONC_GLU_GEN	2::28948
Concentration Total, calcium General FluidChemistry	General calcium ion concentration			MDC_CONC_CA_GEN	2::28952
Concentration Total, H ⁺ , Logarithmic Stomach FluidChemistry	Stomach fluid pH			MDC_CONC_PH_GASTRIC	2::28956
Concentration Total, H ⁺ , Linear Stomach FluidChemistry	Stomach fluid H ⁺			MDC_CONC_H_ION_GASTRIC	2::29104
Concentration Total, H ⁺ , Logarithmic Esophagus FluidChemistry	Esophagus fluid pH			MDC_CONC_PH_ESOPH	2::28960
Concentration Total, H ⁺ , Linear Esophagus FluidChemistry	Esophagus fluid H ⁺			MDC_CONC_H_ION_ESOPH	2::29108
Concentration Total, Hb General FluidChemistry	General fluid Hb			MDC_CONC_HB_GEN	2::29048

Table A.7.5.6.1—Nomenclature and codes for common blood-gas, blood, urine, and other fluid chemistry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Total, O ₂ Hb General FluidChemistry	General fluid O ₂ Hb			MDC_CONC_HB_O2_GEN	2::29004
Concentration Total, HbMet General FluidChemistry	General fluid Hb Met			MDC_CONC_HB_MET_GEN	2::29052
Concentration Total, COHb General FluidChemistry	General fluid Hb CO			MDC_CONC_HB_CO_GEN	2::29056
Concentration Total, HCT General FluidChemistry	General fluid HCT			MDC_CONC_HCT_GEN	2::29060
Concentration Total, Urea General FluidChemistry	General fluid Urea			MDC_CONC_UREA_GEN	2::29064
Concentration BaseExcess ExtracellularFluid BloodChemistry	Base Excess of Extracellular Fluid	BE _{ecf}	Base excess of extracellular fluid.	MDC_BASE_EXCESS_FLUID_EXTRACELLULAR	2::29144
Concentration BaseExcess Arteryl BloodChemistry	Base Excess of Artery Fluid	BE _{ecf}	Base excess of Artery fluid.	MDC_BASE_EXCESS_ART_INDEX	2::29036
Concentration BaseExcess Venous BloodChemistry	Base Excess of Venous Fluid		Base excess of Venous fluid.	MDC_BASE_EXCESS_VEN_INDEX	2::29040
Concentration Total, Bilirubin Urine FluidChemistry	Urine bilirubin concentration			MDC_CONC_BILIRUBIN_URINE	2::29152
Concentration Total, Ketone Urine FluidChemistry	Urine ketone concentration			MDC_CONC_KETONE_URINE	2::29156
Concentration Total, Nitrite Urine FluidChemistry	Urine nitrite concentration			MDC_CONC_NITRITE_URINE	2::29164
Concentration Total, Protein Urine FluidChemistry	Urine protein concentration			MDC_CONC_PROTEIN_URINE	2::29172
Concentration Total, Urobilinogen Urine FluidChemistry	Urine urobilinogen concentration			MDC_CONC_UROBILINOGEN_URINE	2::29176
Concentration Saturation, Oxygen ArterialBlood, Postductal FluidChemistry, Pulse Oximetry	Postductal SpO ₂		Postductal oxygen saturation is measured at a site that receives blood flow from the aorta after the level of the ductus arteriosus (see Note 2).	MDC_PULS_OXIM_SAT_O2_ART_POSTDUCTAL	2::29228
Concentration Saturation, Oxygen ArterialBlood, (Preductal, Postductal) difference FluidChemistry, Pulse Oximetry	Pre-postductal SpO ₂ difference		The difference between preductal and postductal oxygen saturation measurement (see Note 3).	MDC_PULS_OXIM_SAT_O2_ART_PRE_POST_DIFF	2::29232

Table A.7.5.6.1—Nomenclature and codes for common blood-gas, blood, urine, and other fluid chemistry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration, PartialPressure Difference, CO2 (gastric,arterial) Gastric, mucosal FluidChemistry	Gastric-arterial CO2 Gap	P(g-a)CO2	Difference (gap) between gastric mucosal (PgCO2) and arterial (PaCO2) partial pressures of carbon dioxide.	MDC_CONC_PCO2_GASTR IC_ART_DIFF	2::29236
Concentration, PartialPressure Difference, CO2 (gastric, endtidal) Gastric, mucosal FluidChemistry	Gastric-endtidal CO2 Gap	P(g-et)CO2	Difference (gap) between gastric mucosal (PgCO2) and end-tidal (EtCO2) partial pressures of carbon dioxide.	MDC_CONC_PCO2_GASTR IC_ET_DIFF	2::29240
Concentration, PartialPressure Total, CO2 Gastric, mucosal FluidChemistry	Gastric Mucosal PCO2	PgCO2	Gastric mucosal (PgCO2) partial pressure of carbon dioxide.	MDC_CONC_PCO2_GASTR IC_MUCOSAL	2::29244
Concentration Total, H+, Logarithmic Gastric, Intramucosal FluidChemistry	Intramucosal pH	Phi	Intramucosal pH.	MDC_CONC_PH_INTRAMU COSAL	2::29248
Count Total, White Blood Cell Urine FluidChemistry	Urine white blood cell count			MDC_LN_58805_WBC_NUM _STRIP_AUTO_URINE	2::29160
Count Total, Red Blood Cell Urine FluidChemistry	Urine red blood cell count			MDC_LN_57747_RBC_NUM _STRIP_AUTO_URINE	2::29168
Index SignalQuality, SpO2 ArterialBlood FluidChemistry, Pulse Oximetry	SPO2 Signal Quality Index	SpO2-SQI	SpO2 Signal Quality Index, an indication of overall signal quality for calculating SpO2 and other values using pulse oximetry.	MDC_SPO2_SIGNAL_QUALI TY_INDEX	2::29252
Osmolality Total Serum FluidChemistry	Serum osmolality			MDC_OSMOL_SERUM	2::28964
Osmolality Total Urine UrineChemistry	Urinary osmolality			MDC_OSMOL_URINE	2::28968
Ratio SpecificGravity Urine UrineChemistry	Urine specific gravity			MDC_SPEC_GRAV_URINE	2::28972

NOTE 1—For infant congenital heart disease screening, the right hand is usually used as the measurement site. The left hand is not used because depending on the location of the ductus, the left hand may receive preductal or postductal blood.

NOTE 2—For infant congenital heart disease screening, either the right or left foot is usually used as the measurement site.

NOTE 3—Even if both preductal and postductal measurements are in range, a difference of more than 3% may indicate structural disease such as coarctation of the aorta.

A.7.5.7 Withdrawn terms for common blood-gas, blood, urine, and other fluid chemistry measurements

The terms in Table A.7.5.7.1 are withdrawn as they are incorrect blood chemistry terms. Serum is the part that remains following coagulation and therefore cannot have coagulation measurements.

Table A.7.5.7.1—Withdrawn terms for blood-gas, blood, urine, and other fluid chemistry measurements

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Duration Coagulation Serum BloodChemistry	Serum coagulation time		Incorrect blood chemistry term	MDC_TIME_PD_SERUM	2::28988
Ratio Coagulation Serum BloodChemistry	Serum coagulation ratio		Incorrect blood chemistry term	MDC_RATIO_SERUM_COA G	2::28980

A.7.5.8 Deprecated RefIds for common blood-gas, blood, urine, and other fluid chemistry measurements

Certain RefIds for common blood-gas, blood, urine, and other fluid chemistry measurements have been deprecated. These are listed in Table A.7.5.8.1.

Table A.7.5.8.1—Deprecated RefIds for blood-gas, blood, urine, and other fluid chemistry measurements

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Total, Chlorine General FluidChemistry	General fluid Chlorine		Deprecated term. Use MDC_CONC_CHLOR_GEN (29032)	MDC_CONC_CHLORIDE_G EN	2::29032
Duration Coagulation Plasma Blood Chemistry	Coagulation time – prothrombin time		Deprecated term as RefId synonym. Use MDC_TIME_PD_PLASMA_COAG (28984)	MDC_TIME_PD_PLASMA	2::28984

A.7.6 Nomenclature, data dictionary, and codes for fluid output measurements**A.7.6.1 Introduction**

Subclause A.7.6 presents a nomenclature for the systematic names for fluid output measurements.

A.7.6.2 Base concepts

The base concepts are more or less physical properties. The following descriptors are applicable:

- **Flow** (the flow of fluid into collecting bag, bottle, etc.)
- **Volume** (collected in bag, bottle, etc., or accumulated over a certain time)

A.7.6.3 First set of differentiating criteria

The second field of the systematic name refers to the measurement features. More than one semantic link and one descriptor are possible.

A.7.6.3.1 Semantic link "*has time criterion*:"

Applicable descriptors are as follows:

- **BalancePeriod** (defining that the measurements are accumulated over a certain time period)
- **Collected** (a measurement referring to the volume in the collecting receptacle in use at that moment)
- **Instantaneous** (i.e., the flow measurement is reported as measured in that moment)

A.7.6.3.2 Semantic link "*is computed as*:"

Applicable descriptors are as follows:

- **Difference(Infused, Collected)** (i.e., the volume is calculated as a difference of the volume given to the patient and the volume collected from the patient)
- **MeanPreviousHour** (i.e., the value is computed as a mean value for the previous hour)

A.7.6.4 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement. In this case, parts of the pumping system are possible as well as the fluid and drug applied to the patient.

A.7.6.4.1 Semantic link "*concerns*:"

The descriptors for this semantic link define the fluid collected or type of fluid balance. Different types of drainage are possible, e.g., from stomach, ventricles in brain (for reduction of intracranial pressure). The type or site of drainage must be defined separately. Applicable descriptors are as follows:

- **Blood**
- **Drainage**
- **Urine**

Additional descriptors are applicable, as follows:

- **Crystalloid** (fluid balance, which does not include blood infusion and blood drainage)
- **Total** (fluid balance of all fluids, including blood)

A.7.6.5 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organic system for which the term is relevant. In this case, all terms belong to fluids collected from the patient.

A.7.6.5.1 Semantic link "*pertains to*:"

There is only one descriptor:

- **Fluid** (collected from the patient, e.g., blood in drainage, urine output)

A.7.6.6 Code table

See Table A.7.6.6.1 Table A.7.6.6.1 for the nomenclature and codes for fluid-output measurements.

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Table A.7.6.6.1—Nomenclature and codes for fluid-output measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part:Code
Flow Position, Piston, Syringe Fluid	Syringe piston position		Position of the syringe piston	MDC_POSN_SYRING_PIS_T	2::26628
Flow Instantaneous Fluid	Instantaneous fluid rate		Instantaneous fluid output rate, estimated mL/h (comment: site attribute according to Table A.8.6.5.1 (general neurological sites) and Table A.8.8.5.1 (miscellaneous body sites) optional)	MDC_FLOW_FLUID_INSTANT	2::26820
Flow Instantaneous Drainage Fluid	Instantaneous drainage rate		Instantaneous drainage output rate, estimated mL/h (comment: site attribute according to Table A.8.6.5.1 (general neurological sites) and Table A.8.8.5.1 (miscellaneous body sites) optional)	MDC_FLOW_FLUID_DRAIN_INSTANT	2::26632
Flow Instantaneous Urine Fluid	Instantaneous urine rate		Instantaneous urine output rate, estimated mL/h (comment: site attribute according to Table A.8.6.5.1 (miscellaneous body sites) optional)	MDC_FLOW_URINE_INSTANT	2::26636
Flow MeanPreviousHour Drainage Fluid	Previous hour drainage rate		Averaged value of drainage output rate, last hour (comment: site attribute according to Table A.8.6.5.1 (general neurological sites) and Table A.8.8.5.1 (miscellaneous body sites) optional)	MDC_FLOW_FLUID_DRAIN_PREV_HR	2::26640
Flow MeanPreviousHour Urine Fluid	Previous hour urine rate		Averaged value of urine output rate, last hour (comment: site attribute according to Table A.8.6.5.1 (miscellaneous body sites) optional)	MDC_FLOW_URINE_PREV_HR	2::26644
Flow MeanPreviousHour Fluid	Previous hour fluid rate		Averaged value of fluid output rate, last hour (comment: site attribute according to Table A.8.6.5.1 (general neurological sites) and Table A.8.8.5.1 (miscellaneous body sites) optional)	MDC_FLOW_FLUID_PREV_HR	2::26648
Volume BalancePeriod Fluid	Accumulated fluid volume		Accumulation of fluid volumes collected in several bags (comment: site attribute according to Table A.8.6.5.1 (general neurological sites) and Table A.8.8.5.1 (miscellaneous body sites) optional)	MDC_VOL_FLUID_BAL_P	2::26652
Volume BalancePeriod Drainage Fluid	Accumulated drainage volume		Accumulation of drainage fluid volumes collected in several bags (comment: site attribute according to Table A.8.6.5.1 (general neurological sites) and Table A.8.8.5.1 (miscellaneous body sites) optional)	MDC_VOL_FLUID_DRAIN	2::26656
Volume BalancePeriod Urine Fluid	Accumulated urine volume		Accumulation of urine volumes collected in several bags for a balance period (comment: site attribute according to Table A.8.6.5.1 (miscellaneous body sites) optional)	MDC_VOL_URINE_BAL_P	2::26660
Volume Collected Fluid	Fluid volume in bag		Fluid volume collected in bag (comment: site attribute according to Table A.8.6.5.1 (general neurological sites) and Table A.8.8.5.1 (miscellaneous body sites) optional)	MDC_VOL_FLUID_COL	2::26664

Table A.7.6.6.1—Nomenclature and codes for fluid-output measurements (*multipage table*)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Volume Collected Drainage Fluid	Drainage volume in bag		Drainage fluid volume collected in bag (comment: site attribute according to Table A.8.6.5.1 (general neurological sites) and Table A.8.8.5.1 (miscellaneous body sites) optional)	MDC_VOL_FLUID_DRAIN_COL	2::26668
Volume Collected Urine Fluid	Urine volume in bag		Urine collected in bag (comment: site attribute according to Table A.8.8.5.1 "Miscellaneous body sites..." optional)	MDC_VOL_URINE_COL	2::26672
Volume Difference(Infused, Collected), BalancePeriod Blood Fluid	Blood balance		Difference between transfused blood and blood collected in drainage calculated for a balance period	MDC_VOL_DIFF_BLD_BA_L_PD	2::26676
Volume Difference(Infused, Collected), BalancePeriod Crystalloid Fluid	Crystalloid balance		Difference of patient's fluid uptake (infusion and os, but no blood) and fluid loss by urine output, stomach secretion, intestine (but not drainage) calculated for a balance period	MDC_VOL_DIFF_BLD_BA_L_PD_CRYST	2::26680
Volume Difference(Infused, Collected), BalancePeriod Total Fluid	Total fluid balance		Difference between sum of all fluids (including blood and plasma) given to patient and sum of fluids collected in urinary and drainage bags calculated for a balance period	MDC_VOL_DIFF_FLUID_BA_L_PD_TOT	2::26684

A.7.7 Nomenclature, data dictionary, and codes for pumps

A.7.7.1 Nomenclature for pump data

Subclause A.7.7 presents a nomenclature for the systematic names for pump data. For better understanding, some examples of the use of pumps are described, and some remarks on applications are made.

A.7.7.1.1 Examples of pump use in anesthesia and intensive care covered by this nomenclature

Pumps are used in anesthesia and intensive care to deliver fluid and drugs to the patient in a controlled and easily manageable way. The pump guarantees a continuous flow, individually programmable and independent of level and pressure differences between fluid reservoir and patient's body. The pump can be started and stopped and delivery rate changed on demand, thus allowing an individual profile for fluid delivery. In most cases, the fluid is only a means of bringing drugs to the patient's body. In this case, the flow necessary is calculated from the concentration of drug in the fluid and the amount of drug to be delivered in a given time. There are different ways pumps are used. The examples in A.7.7.1.1.1 and A.7.7.1.1.2 describe which type of pump use is covered by this nomenclature.

These examples do not explicitly distinguish manual pump control and data logging by computer on one side, from pump control and data logging by computer on the other side. Closed-loop control of the pump by computer applications and especially safety issues are not addressed explicitly as well. The intention of describing these examples is restricted to identification of data elements that have to be available in the nomenclature.

A.7.7.1.1.1 Constant fluid rate and pump start/stop example

The first example is a model in which the fluid rate (flow) is set and held constant for a certain time. After that time, the flow rate may change to a new value or the pump may be stopped. The fluid rate and the time of constant flow may be selected by pump panel or controlled by an application program inside the smart device or external to the computer. This model allows a computer to log complicated fluid- or drug-delivery profiles, either manually controlled or controlled by an application integrated in the pump, which is set up and started manually. If the pump is under computer control, bolus delivery and infusion profiles are controlled by changes of fluid rate after appropriate time increments and by starting and stopping the pump. Only a few simple data elements are necessary for logging fluid rate and events caused by changes in status, e.g., pump started, pump stopped. Setting fluid rate and changing pump status must be possible for control purposes.

A manually controlled pump reports the delivery of a bolus, e.g., by reporting the continuous fluid rate, then a high flow rate for some time, and then the continuous flow rate again. An event is generated with every change of flow rate, as well as start and stop of the pump. The delivered volume is calculated by a data-logging application from the time elapsed between these events and the flow rate used in this interval. Application of a bolus may be controlled by a computer as well as by changing the flow rate to a new high value and changing the rate back to the former value after the time for delivery of the intended bolus volume has elapsed.

This model can be enhanced by introducing the volume delivered by the pump. Pumps normally calculate the delivered volume themselves for direct display to the user and are able to report it. Some pumps are able to accumulate the volume delivered from several bottles or syringes successively. If the "Volume to be infused" setting is used, the pump stops automatically after that volume is infused. This setting can be used with manual setup or under computer control.

The delivered dose of a drug may be calculated by the logging application from delivered volume and concentration of drug in fluid. As an alternative, a pump-controlling application can calculate the volume to

be infused and hence the fluid rate and time of delivery of that rate from drug concentration, drug amount to deliver, and drug rate desired by the user. There are pumps that handle these calculations themselves and are able also to calculate drug concentration in use from solvent volume and mass of drug added to it. In both instances, the data elements have to be entered manually. Data elements to communicate these values are included in the nomenclature.

In principle all data-logging and many control applications can be covered by this example using only a few nomenclature elements.

A.7.7.1.1.2 Patient-controlled analgesia (PCA) and bolus delivery example

A second example knows two different states or rates in fluid delivery. Under normal conditions, the fluid and hence drug are delivered using a moderate (continuous) dose rate. This rate can be set directly or calculated by the pump from drug concentration and desired drug delivery rate. A second state in flow exists. In PCA mode, e.g., used after operations for pain therapy to reduce the dose of analgesic drug to the lowest value acceptable by the patient, the patient has the possibility to demand a certain pre-set amount of drug by pressing a button if the pain becomes unacceptable for him or her. For safety reasons, the interval between these demands for bolus and the maximum amount of drug deliverable is also limited. For that reason, a demand for bolus may be accepted or rejected by the device. Good (accepted) demands and bad (not accepted) demands are reported as events, and the number of good demands and total demands may be counted and reported.

Bolus is also used generally with syringe pumps. An anesthetist may choose a continuous fluid or drug delivery rate and pre-define parameters for a bolus, which he or she can apply under special conditions by conveniently pressing one button only. Application of such bolus is reported by an event and changes of flow rate, which is raised and reduced to the old value after some time. The Bolus data elements must be available in the nomenclature to be able to communicate the pre-set bolus parameters. In many cases the bolus flow rate is the highest flow rate available at the pump. In some cases the delivery rate of the drug must be limited using a certain setting of bolus fluid rate. To check the maximum flow rate deliverable by that pump, a nomenclature element must be available.

A.7.7.1.1.3 Verification of identity of a physical and a logical pump

In most cases, not only a single pump but many pumps are connected to a patient. The pumps may be connected to the computer logging the data or controlling the pumps by interface cables. The application program in the computer system is logically connected to the pumps and uses a certain logical name for a pump to handle the connection. The user inserts the syringe to a physical syringe pump. To be sure that the logical pump, handled in the application program and holding a certain drug, is identical to the physical pump, to which the user inserted the syringe, several possibilities exist. One possibility is to use disconnection and reconnection of the pump by the user to identify the pump. First, the user has to disconnect the interface cable from the pump; then the user has to insert the syringe; and then the user has to reconnect it. The application has to display disconnection and reconnection of a certain pump, and the user has to verify the correspondence of the physical and logical pump.

Other possibilities use special elements in communication and/or control elements at the pump. If the pump has an alphanumeric display, which is accessible by the computer, the computer can write the proposed name of the drug to the display of a logical pump. This name can be displayed at the physical pump, and the user can verify that the pump is the same pump in which he or she inserted or intended to insert the syringe with that drug. Verification may be negotiated directly with the application or by pressing a button on the device, generating an event passed to the application. In this case, the application can be sure that the user sends his or her response directly from the logical and physical device to be identified.

The user may also choose the name of the drug directly from a list in the pump. The drug name is directly visible on the pump's display and is communicated to the application program.

Another possibility is the integration of a bar-code reader into the pump. Such a reader allows the user to directly read the identification of the drug from the syringe or bottle. This method is most convenient for the user, who adheres a bar-code label onto the bottle or syringe. The pump can then directly read the identification of the drug and communicate it to the application.

In any case, data elements for drug identification are necessary.

A.7.7.1.2 Examples not intended to be covered by this version of the nomenclature

There are many special profiles for the delivery of drugs and hence many fluid delivery rates are possible. Several profiles will be implemented in smart pumps. Reporting the flow rates caused by these profiles is not a big problem, if the pump reports every change in delivery rate. The application can follow the profile by incremental calculation of delivered volume from delivery rate and duration of delivery for that incremental step. This version of the nomenclature is not intended to include elements for computer-controlled setup of such profiles in pumps.

A.7.7.2 Base concepts

The base concepts are more or less physical properties. The following descriptors are applicable:

- **Concentration** (the concentrations of drugs in a solvent)
- **Duration** (time intervals, e.g., application of drugs)
- **Flow** (the fluid volume delivered in a time unit to the patient; also used in the sense of flow of mass, describing the mass of drug delivered in a time unit to the patient by the fluid)
- NOTE—*Flow* is used instead of *Rate*, which is used as a common term and familiar to medical users. *Rate* is used in this standard for frequency of events. However, *Rate* would be possible in this context for rates of drops.
- **Mass** (the mass of a drug dissolved in the fluid delivered to the patient)
- **Mode** (the operational mode of the pump (an enumeration observation element; see A.7.7.8))
- **Number** (used for counts, in this case, of boli of analgesic drugs in PCA)
- **Rate** (the frequency of occurrence of events, etc., based on a certain time frame: second, minute, hour, etc.)
- **Pressure** (necessary to deliver fluid to patient; shows impediment in patient line)
- **Status** (the operational state of the pump (an enumeration observation element; see A.7.7.13))
- **Substance** (the drug delivered to patient described by its generic name or brand)
- **Type** (used for the definition of syringe, infusion tubing, etc., annotations)
- **Volume** (all types of volumes of fluids and sizes of syringes)

A.7.7.3 First set of differentiating criteria

The second field of the systematic name refers to the measurement features. Three semantic links are applied to the first set of differentiating criteria. More than one semantic link and one descriptor are possible.

A.7.7.3.1 Semantic link "*has specification*:"

Descriptors for the demands of the patient for analgesic drug accepted by the pump in PCA are as follows. Total demand is the sum of accepted and rejected demands.

- **AcceptedDemand**
- **GoodDemand**

- **Requests**
- **TotalDemand**

Descriptors, i.e., actual measurement or setting, for the flow, volume, etc., that the pump delivers to the patient are as follows:

- **Delivered**
- **Delivery**

Descriptors for the technical specifications of flow or volumes that a pump can deliver and for the selected range, if more than one is possible, are as follows:

- **Maximum**
- **Minimum**
- **Range**
- **Resolution**

Descriptors for the total volume applied to the patient are as follows:

- **Total**
- **TotalDelivery**

Additional applicable descriptors are as follows:

- **BodyMass**
- **BSA** (a measure of body surface area to which a dosage is normalized)
- **Delay** (the time after which the pump enters Infusing state from Stand By state)
- **Diluent** (the solvent to which the drug(s) are added, if a mixture is infused to the patient. The diluent may be a solution itself, e.g., a solution of protein or NaCl. The diluent should be standardized in concentration and commercially available.)
- **Doses** (the single doses given in a multidose mode)
- **DrugName** (name of the solution or drug applied by the pump to the patient)
- **Interdoses** (the time interval between bolus dosing)
- **Loading** (the mass of a drug added to the solvent before loading the pump; used for drug concentration calculation)
- **Mass** (specifies that the flow describes the mass of a drug dissolved in the fluid and delivered to the patient in a time unit)
- **Normalized** (i.e., the doses of a drug or amount of liquid is normalized to the patient's body surface area)
- **Operational** (the operation mode of the device itself)
- **Proposed** (the name of the product proposed for infusion, as proposed by application. In most cases, several pumps are in use at the same patient. A certain pump may be selected for application of a specific drug by an application program. The application may transmit the drug name, for example, to the selected pump. The nurse inserts the syringe with the drug to the pump, which shows the proposed name and has to confirm the assignment.)
- **Remaining** (portion of fluid to be infused, left after some time from the whole volume to be infused)
- **Size** (the size of a syringe)
- **TBI** (to be infused, e.g., volume that shall be given to the patient)

A.7.7.3.2 Semantic link "has method:"

Descriptors used in this case to distinguish pressure directly measured by sensor from pressure indirectly calculated from motor current are as follows:

- **Calculated**
- **Measured**

Additional descriptors are as follows:

- **Bolus** (high flow for a short period instead of the low, continuous flow)
- **BolusLockOut** (time period during which bolus delivery to patient is prevented)
- **KVO** (keep-vein-open [rate], i.e., a very small flow for keeping a vein open, e.g., prevention of clotting of catheter)
- **PCA** (when a pump delivers analgesic drug on patient's demand, e.g., by pressing a button)
- **Standby** (when a pump is connected to patient and ready to use; no flow is delivered to patient)

A.7.7.4 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement. In this case, parts of the pumping system are possible as well as the fluid and drug applied to the patient.

A.7.7.4.1 Semantic link "concerns:"

Applicable descriptors are as follows:

- **Device**
- **Drug** (therapeutic active part in the fluid applied to the patient)
- **Fluid** (the fluid itself applied to the patient, mostly including the drug)
- **Syringe** (a part of a syringe pump, carrying fluid and drug, and the active part of the pump, i.e., piston)
- **Tube** (the tube bringing fluid from the fluid reservoir to the patient. The type of tubing, diameter, and elasticity are important for the flow reached for a certain velocity of the pump, e.g., in peristaltic infusion pumps.)

A.7.7.5 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organic system for which the term is relevant. In this case, all terms belong to pumps used for therapeutical reasons.

A.7.7.5.1 Semantic link "pertains to:"

There is only one descriptor:

- **Pump** (the device pressing the fluid to the patient and controlling flow)

A.7.7.6 Code table

See Table A.7.7.6.1 for the nomenclature and codes for pump data.

Table A.7.7.6.1—Nomenclature and codes for pump data (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration Drug, Fluid Pump	Drug concentration		Concentration of drug in fluid delivered to patient (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_CONC_DRUG	2::26688
Duration Bolus Fluid Pump	Bolus delivery duration		Time interval of high flow for bolus delivery (setting: anesthetists may use this predefined bolus for convenience instead of changing delivery rate and delivery time or volume each time) (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_TIME_PD_BOLUS_D ELIV	2::26828
Duration BolusLockOut Fluid Pump	Lock out interval		Time interval for prevention of bolus delivery	MDC_TIME_PD_FLUID_BO LUS_LOCKOUT	2::26696
Duration Delay Fluid Pump	Time delay programmed		The time delay for start of infusion scheduled to future (setting)	MDC_TIME_PD_DELAY	2::26832
Duration Delay, Remaining Fluid Pump	Time delay programmed remaining		The time delay remaining for start of infusion scheduled to future	MDC_TIME_PD_DELAY_R EMAIN	2::26836
Duration Delivery Fluid Pump	Fluid delivery time		Time elapsed since start of this step of flow rate; may be used as a setting together with delivery rate to deliver a certain volume (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_TIME_PD_FLUID_DE LIV_SINCE_START	2::26700
Duration Interdoses Fluid Pump	Interval between doses		The interval between doses in a multidosing mode or minimum interval between grants in PCA	MDC_TIME_PD_DELAY_IN TERDOSES	2::26840
Duration Remaining Fluid Pump	Infusion time remaining		The time calculated by the pump until time (or volume) for this step of flow elapses	MDC_TIME_PD_REMAIN	2::26844
Duration Standby Fluid Pump	Standby time		Standby time, i.e., time during which the pump is connected to the patient, ready to be used; during which a message is expected from the application to prevent the pump from going on alarm; and during which no flow is delivered to patient	MDC_TIME_PD_FLUID_ST ANDBY	2::26704
Duration, Remaining Standby Fluid Pump	Standby time		Standby time remaining, i.e., time during which the pump is expected to be able to remain connected to the patient, ready to be used; during which a message is expected from the application to prevent the pump from going on alarm; and during which no flow is delivered to patient	MDC_TIME_PD_FLUID_ST ANDBY_REMAIN	2::26692

Table A.7.7.6.1—Nomenclature and codes for pump data (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Flow Bolus Fluid Pump	Fluid bolus rate		High volume (flow) rate for bolus delivery (setting: anesthetists may use this predefined bolus for convenience instead of changing delivery rate and delivery time or volume each time) (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_FLOW_FLUID_BOLUS	2::26708
Flow Delivery Fluid Pump	Fluid delivery rate		Volume rate delivered by pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_FLOW_FLUID_PUMP	2::26712
Flow Delivery Fluid Pump	Fluid delivery rate		Volume rate delivered by pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_RATE_INFUS	2::26712
Flow Delivery Fluid Pump	Fluid delivery rate		Fluid rate deliverable by the pump	MDC_FLOW_FLUID	2::26716
Flow Delivery, Maximum Fluid Pump	Maximum fluid delivery rate		Maximum fluid rate deliverable by the pump	MDC_FLOW_FLUID_MAX	2::26717
Flow Delivery Fluid Pump	Fluid delivery rate		Fluid rate deliverable by the pump	MDC_FLOW_FLUID_DELIV	2::26720
Flow Delivery, Minimum Fluid Pump	Minimum fluid delivery rate		Minimum fluid rate deliverable by the pump	MDC_FLOW_FLUID_DELIV_MIN	2::26722
Flow Delivery Fluid Pump, Primary	Fluid delivery rate in primary pump		Volume rate delivered by primary pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_RATE_INFUS_PRI	2::26880
Flow Delivery Fluid Pump, Secondary	Fluid delivery rate in secondary pump		Volume rate delivered by secondary pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_RATE_INFUS_SEC	2::26896
Flow Delivery, Proposed Fluid Pump	Proposed delivery rate		Fluid delivery rate communicated to pump (must be accepted by user, see proposed drug name, pump verification) (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_FLOW_FLUID_PUMP_PROP	2::26724
Flow KVO Fluid Pump	KVO rate		The default infusion rate for keep-vein-open rate (setting: anesthetists may use this predefined keep-vein-open rate for convenience instead of changing delivery rate explicitly)	MDC_FLOW_KVO	2::26848
Flow Mass, Bolus Drug, Fluid Pump	Bolus drug delivery rate		Drug delivery rate during bolus (setting: anesthetists may use this predefined bolus for convenience instead of changing delivery rate and delivery time or volume each time) (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_FLOW_BOLUS_DRUG_DELIV	2::26728

Table A.7.7.6.1—Nomenclature and codes for pump data (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Flow Mass, Delivery Drug, Fluid Pump	Drug delivery rate		Drug delivery rate to patient (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_FLOW_DRUG_DELIV	2::26732
Flow Mass, Delivery, Normalized, BodyMass Drug, Fluid Pump	Dose rate		The dose rate normalized to body mass (weight) and time unit	MDC_RATE_DOSE	2::26852
Flow Mass, Delivery, Normalized, BSA Drug, Fluid Pump	Dose rate BSA		The dose rate normalized to body surface area and time unit	MDC_RATE_DOSE_BSA	2::26856
Flow Range Fluid Pump	Flow range		Selected flow range if a pump has more than one range for flow with different minimum, maximum, and resolution of flow	MDC_FLOW_FLUID_RANGE	2::26736
Flow Resolution Fluid Pump	Resolution of fluid delivery rate		Resolution of fluid rate deliverable by the pump	MDC_FLOW_FLUID_RES	2::26740
Mass Bolus Drug, Fluid Pump	Bolus dose, PCA dose		Dose of drug (setting) to deliver to the patient in a bolus with predefined parameters either on anesthetist's demand in bolus mode or patient's demand in PCA mode (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_DOSE_DRUG_BOLUS	2::26744
Mass Delivered Drug, Fluid Pump	Delivered drug mass		Mass of drug delivered to the patient (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_MASS_DRUG_DELIV	2::26748
Mass Loading Drug, Fluid Pump	Mass of loading dose		Mass of drug loaded to the fluid filled into pump reservoir (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_MASS_DOSE_LOADING	2::26752
Mode Device Pump	Operational mode		The operational mode of the pump (see Table A.7.7.13.1)	MDC_PUMP_MODE	2::53432
Number Doses Fluid Pump	Current dose number		The number of the current dose in a multidosing mode	MDC_NUM_DOSE_CURR	2::26860
Number Doses, Remaining Fluid Pump	Number of doses remaining		The number of doses in a multidosing mode remaining to be given to the patient	MDC_NUM_DOSE_REMAIN	2::26864
Number PCA, AcceptedDemand Device Pump	Number of good demand		Number of demands for drug bolus by patient, accepted by device in PCA	MDC_RATE_PCA_GOOD_DMD	2::26756
Number PCA, TotalDemand Device Pump	Number of total demand		Number of demands for drug bolus by patient, regardless of whether accepted by device in PCA	MDC_RATE_PCA_REQ	2::26760
Pressure Calculated Fluid Pump	Fluid pressure		Indirectly calculated fluid pressure generated by pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_PRESS_FLUID_CALC	2::26768

Table A.7.7.6.1—Nomenclature and codes for pump data (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Measured Fluid Pump	Fluid pressure		Actual measured fluid pressure generated by pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_PRESS_FLUID_MEAS	2::26764
Pressure Actual Fluid Pump	Fluid pressure		Fluid pressure generated by pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_PRESS_FLUID_ACT	2::26824
Rate PCA, GoodDemand Device Pump	Dose grants per hour		The number of granted requests for bolus by patient in PCA mode	MDC_RATE_DOSE_GRANT_PER_HR	2::26868
Rate PCA, Requests Device Pump	Dose requests per hour		The number of granted requests for bolus by patient in PCA mode	MDC_RATE_DOSE_REQ_PER_HR	2::26872
Status Operational Device Pump	Operational status of the pump		The operational status of the pump, e.g., Infusing, KVO, etc., (see Table A.7.7.19.1)	MDC_PUMP_STAT	2::53436
Status Operational Device Pump, Primary	Operational status of the primary pump		The operational status of the pump, e.g., Infusing, KVO, etc., (see Table A.7.7.19.1)	MDC_PUMP_STAT_PRI	2::53437
Status Operational Device Pump, Secondary	Operational status of the secondary pump		The operational status of the pump, e.g., Infusing, KVO, etc., (see Table A.7.7.19.1)	MDC_PUMP_STAT_SEC	2::53438
Substance Diluent Fluid Pump	Drug diluent		The name of the drug diluent used in the pump	MDC_SUBST_DILUENT	2::53412
Substance DrugName Fluid Pump	Drug name		Name of product infused (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_DRUG_NAME_POINTER	2::53396
Substance DrugName, Primary Fluid Pump	Drug primary name		Name of product infused (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_DRUG_NAME_PRI_POINTER	2::53397
Substance DrugName, Secondary Fluid Pump	Drug secondary name		Name of product infused (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_DRUG_NAME_SEC_POINTER	2::53398
Substance DrugNameType, Proposed Fluid Pump	Proposed drug name		Name of product to be infused communicated to pump; user must confirm identity of product in syringe or bottle; pump verification (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_DRUG_NAME_TYPE_PROP	2::53400
Substance DrugNameTable Fluid Pump	Drug name table		Table of names of products that may be infused	MDC_DRUG_NAME_TABLE	2::53257
Substance DrugType Fluid Pump	Drug name type		Type of product to be infused	MDC_DRUG_NAME_TYPE	2::53258

Table A.7.7.6.1—Nomenclature and codes for pump data (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Type Syringe Pump	Syringe type		Syringe type, selected by user or recognized by syringe pump	MDC_SYRINGE_TYPE	2::53404
Type Tube Pump	Patient line type		Patient line type, selected by user or recognized by peristaltic pump	MDC_TUBE_TYPE	2::53408
Volume Remaining Fluid Pump, Primary	Volume remaining to be infused by primary pump		Volume of fluid remaining to be infused in relation with the volume to be infused by primary pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_VOL_FLUID_TBI_RE_MAIN_PRI	2::26888
Volume TBI Fluid Pump, Primary	Volume to be infused by primary pump		Volume to be infused to the patient by primary pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_VOL_FLUID_TBI_PRI	2::26892
Volume Remaining Fluid Pump, Secondary	Volume remaining to be infused by secondary pump		Volume of fluid remaining to be infused in relation with the volume to be infused by secondary pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_VOL_FLUID_TBI_RE_MAIN_SEC	2::26904
Volume TBI Fluid Pump, Secondary	Volume to be infused by secondary pump		Volume to be infused to the patient by secondary pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_VOL_FLUID_TBI_SE_C	2::26908
Volume Bolus Fluid Pump	Bolus volume		Programmed bolus volume (setting: anesthetists may use this predefined bolus for convenience instead of changing delivery rate and delivery time or volume each time) (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_VOL_FLUID_BOLUS	2::26788
Volume Delivered Fluid Pump	Infused volume		Fluid volume infused to the patient using this syringe or bottle (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_VOL_FLUID_DELIV	2::26792
Volume Delivered Fluid Pump, Primary	Fluid delivered in primary pump		Volume delivered by primary pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_VOL_FLUID_DELIV_PRI	2::26884
Volume Delivered Fluid Pump, Secondary	Fluid delivered in secondary pump		Volume delivered by secondary pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_VOL_FLUID_DELIV_SEC	2::26900
Volume Diluent Fluid Pump	Diluent volume		Volume of diluent (solvent) for drug used in this pump (for dose rate calculation)	MDC_VOL_FLUID_DILUEN_T	2::26796
Volume Remaining Fluid Pump	Volume remaining to be infused		Volume of fluid remaining to be infused in relation with the volume to be infused (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_VOL_FLUID_TBI_RE_MAIN	2::26800

Table A.7.7.6.1—Nomenclature and codes for pump data (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Volume Resolution Fluid Pump	Volume resolution		Resolution of the fluid volume deliverable by the pump	MDC_VOL_FLUID_RES	2::26804
Volume Size Syringe Pump	Syringe volume		Volume of syringe inserted to pump, user setting, or recognized by pump	MDC_VOL_SYRINGE	2::26808
Volume TBI Fluid Pump	Volume to be infused		Volume to be infused to the patient (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_VOL_FLUID_TBI	2::26812
Volume Total Maintenance Pump	Volume infused actual total		The volume infused by the pump since the last reset	MDC_VOL_INFUS_ACTUAL_TOTAL	2::26876
Volume Total Delivery Fluid Pump	Total delivered fluid volume		Total (accumulated) volume delivered to this patient by this pump (comment: optional site attribute according to Table A.8.8.5.1 [miscellaneous body sites])	MDC_VOL_FLUID_DELIV_TOTAL_SET	2::26816

A.7.7.7 Deprecated RefIds for pump data

Certain RefIds for pump data have been deprecated. These are listed in Table A.7.7.7.1.

Table A.7.7.7.1—Deprecated RefIds for pump data

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Flow Delivery Fluid Pump, Secondary	Fluid delivery rate in secondary pump		MDC_PVT_RATE_INFUS_SEC -> MDC_RATE_INFUS_SEC (26896)	MDC_PVT_RATE_INFUS_SEC	2::26896

A.7.7.8 Specification of pump modes

Different types of pumps exist, and some pumps can be used in different modes. The enumeration observation element Mode || Device | Pump in Table A.7.7.6.1 can communicate a value of type Bit String denoting the pump mode in use. Table A.7.7.13.1 defines these values for the different pump modes.

A.7.7.9 Base concept

The base concept is as follows:

- Mode

A.7.7.10 First set of differentiating criteria

The second field in the systematic name refers to measurement features.

A.7.7.10.1 Semantic link "*has specification:*"

Applicable descriptors are as follows:

- Bolus
- Circadian
- ClosedLoop
- Delayed
- DrugDosing
- ManufacturerDefined
- MultiChannel
- MultiDosing
- MultiStep
- Nominal
- PCA
- RampAndTaper
- Titration

A.7.7.11 Second set of differentiating criteria

The third field in the systematic name describes the target of measurement. The device itself or its functionality is described.

A.7.7.11.1 Semantic link "*concerns:*"

Applicable is one descriptor only:

- Device

A.7.7.12 Third set of differentiating criteria

The fourth field holds information about the context. In this case, it is information about the working mode of the pump itself.

A.7.7.12.1 Semantic link "has context:"

Only one descriptor is applicable:

— **Pump**

A.7.7.13 Bit string table

See Table A.7.7.13.1 for the bit string values for pump modes. The following type definitions apply:

```
--
-- Pump Mode Indication Bits
--
PumpMode ::= BITS-32 {
    pump-mode-nominal(0),
    pump-mode-delayed(3),
    pump-mode-multi-step(4),
    pump-mode-titration(5),
    pump-mode-bolus-dosing(6),
    pump-mode-drug-dosing(7),
    pump-mode-multi-dosing(8),
    pump-mode-ramp-taper(9),
    pump-mode-pca(10),
    pump-mode-multi-channel(11),
    pump-mode-closed-loop(12),
    pump-mode-circadian(13),
    pump-mode-manufacturer(31)
}
```

Table A.7.7.13.1—Pump modes bit string values
(value to be communicated in enumeration observation element Mode | | Device | Pump)

Systematic name	Common term	Description/Definition	Bit string
Mode Nominal Device Pump	Nominal mode	The pump is in the nominal mode. It may be operated manually or computer-controlled and reports flow rates and status information.	pump-mode-nominal
Mode Delayed Device Pump	Delayed start mode	The pump is programmed to start infusing after a programmed delay interval or at a specific time of day.	pump-mode-delayed
Mode MultiStep Device Pump	Multi-step mode	The pump is pre-programmed to several infusion rates and sequentially stepped through.	pump-mode-multi-step
Mode Titration Device Pump	Titration mode	The infusion rate is increased or decreased in order to keep some physiological parameter constant.	pump-mode-titration
Mode Bolus Device Pump	Bolus dosing mode	A pre-programmed bolus (small volume fast infusion) rate and time or bolus volume/dose exists, which can be delivered to reach some physiological effect.	pump-mode-bolus-dosing
Mode DrugDosing Device Pump	Drug-dosing mode	The infusion rate is chosen in drug units in relation to some physical parameter of the patient, mass (weight), or surface area.	pump-mode-drug-dosing
Mode MultiDosing Device Pump	Multidosing mode	The pump is programmed to infuse doses of a drug (boli) in regular periods. Amount of drug, interval between doses (boli), and number of doses are pre-programmed.	pump-mode-multi-dosing
Mode RampAndTaper Device Pump	Ramp and taper mode	The pump is programmed to speed up infusing from an initial rate to a plateau rate during a defined ramp time duration or with a defined ramp steepness, stays in steady state at plateau rate for a programmed duration, and tapers down to a final rate with defined steepness or duration of taper-down.	pump-mode-ramp-taper
Mode PCA Device Pump	CA mode	The pump starts with an initial bolus dose and switches to a continuous dose (maintenance level). The patient has the possibility to request additional bolus doses on demand. The pump can override the requests according to some rule, e.g., minimum interval between boli, maximum dose over some interval.	pump-mode-pca
Mode MultiChannel Device Pump	Multichannel therapy coordinated mode	This mode allows infusion of a group of drugs in specific sequence.	pump-mode-multi-channel
Mode ClosedLoop Device Pump	Automatic closed-loop mode	The infusion rate is automatically adjusted based on some external parameter or physiological effect.	pump-mode-closed-loop
Mode Circadian Device Pump	Circadian mode	The infusion rate is profiled based on a 24 h cycle.	pump-mode-circadian
Mode ManufacturerDefined Device Pump	Manufacturer-defined mode	Provision is made by this mode for new modes invented by manufacturers until the new mode is defined in the standard.	pump-mode-manufacturer

A.7.7.14 Specification of pump states

Pumps know some specific device states, different from most other devices. For that reason, the enumeration observation element Status | Operational | Device | Pump is introduced in Table A.7.7.6.1, which communicates in a value the status information about the pump. Table A.7.7.19.1 defines the states and the bit string values.

A.7.7.15 Base concept

The base concept is as follows:

- **Status**

A.7.7.16 First set of differentiating criteria

The second field in the systematic name refers to measurement features.

A.7.7.16.1 Semantic link "has specification:"

Applicable descriptors are as follows:

- **AcceptedDemand**
- **BolusDelivering**
- **Infusing**
- **KVO**
- **PCA**
- **RejectedDemand**
- **RumpUp**
- **TaperDown**

A.7.7.17 Second set of differentiating criteria

The third field in the systematic name describes the target of measurement. Different operational states of the pumps are described.

A.7.7.17.1 Semantic link "concerns:"

Applicable is one descriptor only:

- **OperationalStatus**

A.7.7.18 Third set of differentiating criteria

The fourth field holds information about the context. In this case, it is information about the operational state of the pump itself.

A.7.7.18.1 Semantic link "has context:"

The following descriptor is applicable:

- **Pump**

A.7.7.19 Bit string table

See Table A.7.7.19.1 for the bit string values for pump states.

The following type definitions apply:

```
--  
PumpStatus ::= BITS-32 {  
    pump-status-infusing (0),  
    pump-status-kvo (1),  
    pump-status-bolus (2),  
    pump-status-pca-good (7),  
    pump-status-pca-bad (8),  
    pump-status-ramp-up (14),  
    pump-status-taper-down (15)  
}
```

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Table A.7.7.19.1—Pump states bit string values
(value to be communicated in EnumerationObservation with code: Status | Operational | Device | Pump)

Systematic name	Common term	Description/Definition	Bit string
Status BolusDelivering OperationalStatus Pump	Bolus delivering	The pump is delivering high flow rate after a demand, e.g., in PCA mode.	pump-status-bolus
Status Infusing OperationalStatus Pump	Infusing	The pump is infusing fluid with an individually set rate.	pump-status-infusing
Status KVO OperationalStatus Pump	Keep vein open rate	The pump is infusing fluid at a very low rate, to keep vessels open.	pump-status-kvo
Status PCA, AcceptedDemand Device Pump	PCA good demand	The patient's demand for a bolus in PCA mode is granted by the pump.	pump-status-pca-good
Status PCA, RejectedDemand Device Pump	PCA bad demand	The patient's demand for a bolus in PCA mode is rejected by the pump because of rejection criteria, e.g., interval between boli, etc.	pump-status-pca-bad
Status RumpUp OperationalStatus Pump	Ramp up	The pump is speeding up fluid rate linearly to reach a higher level in ramp and taper mode.	pump-status-ramp-up
Status TaperDown OperationalStatus Pump	Taper down	The pump is tapering down fluid rate linearly to reach a lower level in ramp and taper mode.	pump-status-taper-down

A.7.8 Nomenclature, data dictionary, and codes for neurological monitoring measurements**A.7.8.1 Introduction**

Subclause A.7.8 presents a nomenclature for the systematic names in neurological monitoring.

A.7.8.2 Base concepts

The base concepts are physical properties. The following descriptors are applicable:

- **Circumference** (a length measurement)
- **Compliance** (the elastic properties of the brain and especially the capacity to deal with an uptake of fluid, e.g., during systolic phase or by a swelling of the brain with only small changes in pressure)
- **Diameter** (a length measurement)
- **Duration** (a time measurement used for interpeak intervals and reaction time)
- **ElectricalPotential** (electrical signals recorded on body surface or directly in tissue or fluids; used for all recordings like EEG, evoked potentials, etc., and derived amplitude measurements)
- **Flow** (the velocity of the fluid exchange; used for blood flow measurement in brain vessels, etc.)
- **Frequency** (used for derived values calculated from EEG-power-spectra)
- **Latency** (a time measurement used for events following a stimulus after a certain time, typically in the recording of evoked potentials)
- **MagneticField** (measurements of magnetic fields due to currents, e.g., in the brain)
- **Number** (used for counted events, e.g., arousals in sleep-EEG or specific events in epilepsy diagnosis)
- **Power** (calculated values, e.g., from EEG using the fast Fourier transform [FFT])
- **Pressure** (in fluids, tissue, etc.; used for measurements of intracranial pressure)
- **Score** (used for the Glasgow coma score and sleep stage; values used for describing the neurologic situation of the patient)

A.7.8.3 First set of differentiating criteria

The second field of systematic name in Table A.7.8.6.1 refers to the measurement features. Four semantic links are applied to build the first differentiating criterion.

A.7.8.3.1 Semantic link "has method:"

Applicable descriptors are as follows:

- **Acoustic** (type of stimulus; also the type of system tested by evoked potentials)
- **Evoked** (the method of measurement, i.e., evoked potentials)
- **Motoric** (type of stimulus; also the type of system tested by evoked potentials)
- **Magnetic** (type of stimulus; also the type of system tested by evoked potentials)
- **Somatosensory** (type of stimulus; also the type of system tested by evoked potentials)
- **Visual** (type of stimulus; also the type of system tested by evoked potentials)

A.7.8.3.2 Semantic link "pertains to:"

Applicable descriptors are as follows:

- **BERA** (used to specify values derived from brainstem evoked potential measurements)
- **EEG** (used to specify values derived from brainstem evoked potential measurements)
- **Epidural** (the place of measurement, e.g., intracranial pressure and EEG measurements)
- **InsideSkull** (the place of measurement, e.g., intracranial pressure and EEG measurements)
- **Subdural** (the place of measurement, e.g., intracranial pressure and EEG measurements)
- **Tissue** (the place of measurement, e.g., intracranial pressure and EEG measurements)
- **Ventricular** (the place of measurement, e.g., intracranial pressure and EEG measurements)
- **VEP** (visual evoked potential, used to specify values derived from brainstem evoked potential measurements)

A.7.8.3.3 Semantic link "is computed as:"

Descriptors for data derived from the EEG by FFT analysis and further processing are as follows:

- **AbsolutePower**
- **MedianPowerFrequency**
- **PeakPowerFrequency**
- **RelativePower** (relative [percent] power is calculated as a percentage of power in that band relative to total power)
- **SpectralEdgeFrequency**

Descriptors for the frequency band of EEG frequency range for which the power is calculated are as follows:

- **AlphaBand**
- **BetaBand**
- **DeltaBand**
- **GammaBand**
- **MeanDominantFrequency**
- **SigmaBand**
- **ThetaBand**

Descriptors for data derived from EEG by FFT analysis are as follows:

- **PowerSpectrum**
- **MeanFrequency**
- **TotalPower**

Additional descriptors are as follows:

- **Diastolic** (a calculation that derives the characteristic minimum value from a waveform related to the diastolic phase of arterial pressure)
- **Difference(MeanArterial, MeanIntracranial)** (the calculation and the original values necessary for determination of brain perfusion pressure)
- **GlasgowComaScore** (the neurological state of a patient)

- **InterPeak** (time measurements from peak to peak, called waves in acoustical evoked potential interpretation)
- **Mean** (a calculation that derives the characteristic mean value from a waveform)
- **Systolic** (a calculation that derives the characteristic maximum value from a waveform related to the systolic phase of arterial pressure)
- **Sleepstage** (value derived from EEG in sleep lab)
- **SubscoreEye**
- **SubscoreMotoric**
- **SubscoreVerbal**
- **Sum**

A.7.8.3.4 Semantic link "*has specification*:"

Descriptors for the peak in an evoked potential (i.e., Amplitude, Latency, InterPeak) are as follows:

- **Wave1**
- **Wave2**
- **Wave3**
- **Wave4**
- **Wave5**

Additional descriptors are as follows:

- **Amplitude** (a measure of, e.g., an electrical potential)
- **ReactionTime** (time to react to a stimulus, e.g., the pupils to light)
- **Wave1Wave3**
- **Wave1Wave5**
- **Wave3Wave5**

A.7.8.4 Second set of differentiating criteria

The third field of systematic name in Table A.7.8.6.1 describes the target of measurement. More than one descriptor is possible. It holds information about body compartments, body parts, or body functions or refers to their state.

A.7.8.4.1 Semantic link "*concerns*:"

Descriptors for defining the target from a compartment or body part view are as follows:

- **Blood**
- **Cerebral**
- **Intracranial**
- **Head**

Descriptors for functional subsystems are as follows:

- **BrainStem**
- **Cortex**
- **Eye**
- **Muscle**

Descriptors for further specifying the subsystem *eye* are as follows:

- **LeftEye**
- **RightEye**
- **Pupil**
- **Retina**

Additional descriptors are as follows:

- **Arousal** (short awakening of a patient, in sleep laboratory recognized from EEG)
- **CNS State** (used for terms that describe the state of the functional CNS in general or a state of the whole human being, e.g., sleeping [sleep lab])
- **Nystagmus** (a rapid movement of the eye; measurement of nervous activity)
- **Seizures**
- **Spikes**

A.7.8.5 Third set of differentiating criteria

The fourth field holds information about the context, i.e., the functional or organic system for which the term is relevant. Most terms in Table A.7.8.6.1 belong to the CNS. The muscular system is included because electromyogram (EMG) measurements are performed by neurologists as well. The terms may belong to more than one table. Circumference of the head (Circum Head), as an example, is used not only in neurology (e.g., in connection with the measurement of intracranial pressure for hydrocephalus diagnostic), but also as a general measure to characterize the body (e.g., in connection with pediatrics, especially the monitoring of the growth of the skull).

A.7.8.5.1 Semantic link "*has context*:"

Applicable descriptors are as follows:

- **Body** (i.e., parts of the body)
- **CNS**
- **MuscularSystem** (the muscular parts of the body)
- **Neurology** (the entire field of neurology)

A.7.8.6 Code table

See Table A.7.8.6.1 for the nomenclature and codes for neurological monitoring measurements.

Table A.7.8.6.1—Nomenclature and codes for neurological monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Circumference Head Body, CNS	Circum head		Circumference of the head.	MDC_CIRCUM_HEAD	2::22784
Compliance Head, Intracranial CNS	Intracranial compliance		Change of volume per unit change of intracranial pressure. Measurement is carried out by measuring the change of intracranial pressure following the drainage of a defined small amount of cerebrospinal fluid or filling a balloon positioned inside skull with a small amount of air or water.	MDC_COMPL_INTRA_CRAN	2::22788
Count Paroxysmal/Activity, Burst Cortex, EEG CNS	Burst Count		Epileptic or potentially epileptogenic activity identifiers, burst count.	MDC_EEG_PAROX_CRTX_BURST_CNT	2::25169
Count Paroxysmal/Activity, Spike Cortex, EEG CNS	Spike Count		Epileptic or potentially epileptogenic activity identifiers, spike count.	MDC_EEG_PAROX_CRTX_SPK_CNT	2::23905
Diameter Pupil CNS	Pupil diameter		Diameter of the pupil.	MDC_DIAM_PUPIL	2::22792
Diameter Pupil, LeftEye CNS	Pupil diameter left eye		Diameter of the pupil, left eye.	MDC_DIAM_PUPIL_LEFT	2::22796
Diameter Pupil, RightEye CNS	Pupil diameter right eye		Diameter of the pupil, right eye.	MDC_DIAM_PUPIL_RIGHT	2::22800
Duration BERA, InterPeak, Wave1Wave3 BrainStem CNS	Interpeak latency Wave 1 to Wave 3 in brainstem evoked potential		Time interval between crest of Wave 1 and crest of Wave 3 in brainstem acoustical evoked potential.	MDC_TIME_PD_BERA_IN_TERP_K_WV_1_TO_3	2::22804
Duration BERA, InterPeak, Wave1Wave5 BrainStem CNS	Interpeak latency Wave 1 to Wave 5 in brainstem evoked potential		Time interval between crest of Wave 1 and crest of Wave 5 in brainstem acoustical evoked potential.	MDC_TIME_PD_BERA_IN_TERP_K_WV_1_TO_5	2::22808
Duration BERA, InterPeak, Wave3Wave5 BrainStem CNS	Interpeak latency Wave 3 to Wave 5 in brainstem evoked potential		Time interval between crest of Wave 3 and crest of Wave 5 in brainstem acoustical evoked potential.	MDC_TIME_PD_BERA_IN_TERP_K_WV_3_TO_5	2::22812
Duration ReactionTime Pupil CNS			Reaction of pupils to light.	MDC_TIME_PD_PUPIL_R_EACT	2::22816
Duration ReactionTime Pupil, LeftEye CNS			Reaction of pupils to light, left eye.	MDC_TIME_PD_PUPIL_R_EACT_LEFT	2::22820
Duration ReactionTime Pupil, RightEye CNS			Reaction of pupils to light, right eye.	MDC_TIME_PD_PUPIL_R_EACT_RIGHT	2::22824

Table A.7.8.6.1—Nomenclature and codes for neurological monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ElectricalPotential Cortex CNS	Electroencephalogram	EEG	Electrical potential derived bipolarly between two electrodes. Position 1 and Position 2 at head surface. A list attribute is used. The electrode at Position 1 is Number 1 in the list. Position 2 can be a combined reference, e.g., linked ear. All connected electrode sites are listed beginning with Number 2 in the list. The attribute values must be taken from Table A.8.4.6.1.	MDC_EEG_ELEC_POTL_CRTX	2::22828
ElectricalPotential Eye CNS	Electrooculogram	EOG	Electrical potential derived bipolarly from electrode positions 1 and 2 in the neighborhood of eye. A list attribute is used. The attribute values must be taken from Table A.8.5.6.1.	MDC_EOG_ELEC_POTL_EYE	2::22832
ElectricalPotential Eye, Nystagnus CNS	Electronystagmogram		Electrical potential of the eye derived differentially by electrode on Position 1 and Position 2. A list attribute is used. The attribute values must be taken from Table A.8.5.6.1.	MDC_ENG_ELEC_POTL_EYE_NYSTAG	2::22836
ElectricalPotential Eye, Retina CNS	Electroretinogram	ERG	Electrical potential of the eye derived bipolarly between electrodes placed on bulbus.	MDC_ERG_ELEC_POTL_RETINA	2::22840
ElectricalPotential Muscle MuscularSystem	Electromyogram	EMG	Electrical Potential from muscle derived bipolarly between electrode Position 1 and Position 2 on skin surface or inside muscle. A list attribute is used. The attribute values must be taken from Table A.8.3.5.1.	MDC_EMG_ELEC_POTL_MUSC	2::22844
ElectricalPotential BERA, Wave1, Amplitude BrainStem CNS	Amplitude Wave 1 brainstem evoked potential		Potential difference between crest and valley before or after crest of Wave 1 in brainstem acoustical evoked potential.	MDC_ELEC_EVOK_POTL_BERA_AMPL_WV_1	2::22848
ElectricalPotential BERA, Wave2, Amplitude BrainStem CNS	Amplitude Wave 2 brainstem evoked potential		Potential difference between crest and valley before or after crest of Wave 2 in brainstem acoustical evoked potential.	MDC_ELEC_EVOK_POTL_BERA_AMPL_WV_2	2::22852
ElectricalPotential BERA, Wave3, Amplitude BrainStem CNS	Amplitude Wave 3 brainstem evoked potential		Potential difference between crest and valley before or after crest of Wave 3 in brainstem acoustical evoked potential.	MDC_ELEC_POTL_BERA_AMPL_WV_3	2::22856
ElectricalPotential BERA, Wave4, Amplitude BrainStem CNS	Amplitude Wave 4 brainstem evoked potential		Potential difference between crest and valley before or after crest of Wave 4 in brainstem acoustical evoked potential (comment: a list attribute is used for describing measurement and stimulation; values possible: left, right, NOS.)	MDC_ELEC_POTL_BERA_AMPL_WV_4	2::22860
ElectricalPotential BERA, Wave5, Amplitude BrainStem CNS	Amplitude Wave 5 brainstem evoked potential		Potential difference between crest and valley before or after crest of Wave 5 in brainstem acoustical evoked potential.	MDC_ELEC_POTL_BERA_AMPL_WV_5	2::22864

Table A.7.8.6.1—Nomenclature and codes for neurological monitoring measurements (multiple table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ElectricalPotential Evoked Cortex CNS	Evoked potential	EVP	Electrical potential, response to stimulation and mostly averaging, not specified.	MDC_ELEC_EVOK_POTL_CRTX	2::22868
ElectricalPotential Evoked, Acoustic BrainStem CNS	Brainstem acoustical evoked potential	BERA	Electrical potential, response to acoustical stimulus, method averaging, early potentials.	MDC_ELEC_EVOK_POTL_BSTEM_ACOUSTIC	2::22872
ElectricalPotential Evoked, Acoustic Cortex CNS	Acoustical evoked potential	AEP	Electrical potential, response to acoustical stimulus, method averaging, medium and late potentials.	MDC_ELEC_EVOK_POTL_CRTX_ACOUSTIC	2::22876
ElectricalPotential Evoked, Magnetic Cortex CNS	Magnetic evoked potential		Electrical potential, response to magnetic stimulus.	MDC_ELEC_EVOK_POTL_CRTX_MAG	2::22880
ElectricalPotential Evoked, Motoric Cortex CNS	Motoric evoked potential	MEP	Electrical potential, response to magnetic stimulus, method averaging; measured between electrode Position 1 and Position 2 on skin surface or inside muscle. A list attribute is used. The attribute values must be taken from Table A.8.3.5.1.	MDC_ELEC_EVOK_POTL_CRTX_MOTOR	2::22884
ElectricalPotential Evoked, Somatosensory Cortex CNS	Somatosensory evoked potential	SEP	Electrical potential, response to electrical stimulation and averaging. See also A.8.4.	MDC_ELEC_EVOK_POTL_CRTX_SOMATOSENS	2::22888
ElectricalPotential Evoked, Visual Cortex CNS	Visual evoked potential	VEP	Electrical potential, response to visual stimulus, method averaging.	MDC_ELEC_EVOK_POTL_CRTX_VIS	2::22892
ElectricalPotential InsideSkull Cortex CNS	Electrocorticogram	ECog	Electrical potential derived bipolarly between two electrodes, Position 1 and Position 2 (attribute, textual) on cortex. Lead 2 can be a combined reference, e.g., linked ear. No standard lead system is known so far.	MDC_ELEC_POTL_CRTX_INSKULL	2::22896
ElectricalPotential VEP, P100Amplitude Cortex CNS	Amplitude Wave P100 in visual evoked potential		Potential difference between crest and valley before or after crest of Wave P100 in visual evoked potential (comment: a list attribute is used for describing measurement and stimulation; values possible: left, right, NOS.)	MDC_ELEC_POTL_CRTX_AMPL_P100	2::22900
Flow Blood, Cerebral CNS	Cerebral blood flow		Transcranial cerebral blood flow.	MDC_FLOW_BLD_CEREB	2::22904
Frequency EEG, PowerSpectrum, MeanDominantFrequency Cortex CNS	Mean dominant frequency of electroencephalogram		Mean dominant frequency of Power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. See also A.8.4.	MDC_EEG_FREQ_PWR_SPEE_CRTX_DOM_MEAN	2::22908
Frequency EEG, PowerSpectrum, MedianPowerFrequency Cortex CNS	Median power frequency of electroencephalogram		Median power frequency of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. See also A.8.4.	MDC_EEG_FREQ_PWR_SPEE_CRTX_MEDIAN	2::22912

Table A.7.8.6.1—Nomenclature and codes for neurological monitoring measurements (multiple table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Frequency EEG, PowerSpectrum, PeakPowerFrequency Cortex CNS	Peak power frequency of electroencephalo gram		Peak power frequency of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. See also A.8.4.	MDC_EEG_FREQ_PWR_S PEC_CRTX_PEAK	2::22916
Frequency EEG, PowerSpectrum, SpectralEdgeFrequency Cortex CNS	Spectral edge frequency of electroencephalo gram		Spectral edge frequency of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. See also A.8.4.	MDC_EEG_FREQ_PWR_S PEC_CRTX_SPECTRAL_E DGE	2::22920
Index SignalQuality, BIS Cortex, EEG CNS	Signal Quality Index	SQI, EEG- SQI	EEG Signal Quality Index, an indication of overall signal quality for calculating processed EEG variables such as BIS and interpreting EEG results.	MDC_EEG_SIGNAL_QUAL ITY_INDEX	2::22564
Index Bispectral Index Cortex, EEG CNS	Bispectral Index	BIS	The bispectral index (BIS) is a quantitative assessment of depth of anesthesia, specifically the level of consciousness. It is an index that ranges from 0 to 100. No measurable cortical activity would result in a BIS of 0 and a typical awake state is usually associated with an index of 90 to 100. Typical values for a patient undergoing general anesthesia are 40 to 60.	MDC_EEG_BISPECTRAL_ INDEX	2::22572
Index Response Entropy Cortex, EEG CNS	Response Entropy	RE	A computed EEG variable used for assessing the depth of anesthesia based on the irregularity of the FEMG signal in the 0.8 to 47 Hz frequency band. Typical values for patients undergoing general anesthesia are between 40 and 60, and at these levels of entropy response, the probability of patient accidental awareness is low. The overall display range for RE is 0 to 100.	MDC_EEG_ENTROPY_RE SPONSE	2::22576
Index State Entropy Cortex, EEG CNS	State Entropy	SE	A computed EEG variable used for assessing the depth of anesthesia based on the irregularity of the EEG signal in the 0.8 to 32 Hz frequency band. Typical values for patients undergoing general anesthesia are between 40 and 60, and at these levels of entropy state, the probability of patient accidental awareness is low. The overall display range of SE is 0 to 91.	MDC_EEG_ENTROPY_ST ATE	2::22580
Index SNAP Index Cortex, EEG CNS	SNAP Index	SNAP Index	A computed EEG variable used to help assess the level of consciousness while under anesthesia based on the high- and low-frequency EEG. Index values range from 0 to 100, with 0 reflecting no measurable cortical activity and 100 reflecting the awake state.	MDC_EEG_SNAP_INDEX	2::22584

Table A.7.8.6.1—Nomenclature and codes for neurological monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Index Patient State Index Cortex, EEG CNS	Patient State Index	PSI	A computed EEG index used to help assess the depth of sedation and anesthesia based on a multivariate combination of EEG variables.	MDC_EEG_PATIENT_STA TE_INDEX	2::22588
Latency BERA, Wave1 BrainStem CNS	Latency Wave 1 brainstem evoked potential		Time interval between stimulus and crest of Wave 1 in brainstem acoustical evoked potential.	MDC_LATENCY_BSTEM_ EVOK_POTL_WV_1	2::22924
Latency BERA, Wave2 BrainStem CNS	Latency Wave 2 brainstem evoked potential		Time interval between stimulus and crest of Wave 2 in brainstem acoustical evoked potential.	MDC_LATENCY_BSTEM_ EVOK_POTL_WV_2	2::22928
Latency BERA, Wave3 BrainStem CNS	Latency Wave 3 brainstem evoked potential		Time interval between stimulus and crest of Wave 3 in brainstem acoustical evoked potential.	MDC_LATENCY_BSTEM_ EVOK_POTL_WV_3	2::22932
Latency BERA, Wave4 BrainStem CNS	Latency Wave 4 brainstem evoked potential		Time interval between stimulus and crest of Wave 4 in brainstem acoustical evoked potential.	MDC_LATENCY_BSTEM_ EVOK_POTL_WV_4	2::22936
Latency BERA, Wave5 BrainStem CNS	Latency Wave 5 brainstem evoked potential		Time interval between stimulus and crest of Wave 5 in brainstem acoustical evoked potential.	MDC_LATENCY_BSTEM_ EVOK_POTL_WV_5	2::22940
Latency VEP, P100 Cortex CNS	Latency Wave P100 in visual evoked potential		Time interval between stimulus and crest of Wave P100 in visual evoked potential.	MDC_LATENCY_VEP_WV _P100	2::22944
MagneticField Cortex CNS	Magnetoencephalo logram	MEG	Magnetic field measured above surface of head, representing neurogenic activity in brain.	MDC_MEG_MAGFLD	2::22948
Number EEG Arousal Neurology, CNS	Arousal		Arousal, short awakenings, as determined out of the EEG, EOG, and EMG.	MDC_EEG_NUM_AROUS	2::22952
Number EEG Spikes Neurology, CNS	Spikes		Spikes, as determined out of the EEG.	MDC_EEG_NUM_SPK	2::22956
Number EEG Seizures Neurology, CNS	Seizures		Seizures, as determined out of the EEG, EOG, and EMG.	MDC_EEG_NUM_SEIZ	2::22960
Power EEG, PowerSpectrum Cortex CNS	Compressed spectral array of electroencephalo gram	CSA	Power spectrum of EEG measured between two electrodes, position 1 and 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_C SA	2::22964
Power EEG, PowerSpectrum, TotalPower Cortex CNS	Total power of electroencephalo gram		Total power of spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_T OT	2::22968

Table A.7.8.6.1—Nomenclature and codes for neurological monitoring measurements (multiple table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Power EEG, PowerSpectrum, AlphaBand, AbsolutePower Cortex CNS	Absolute power of alpha band of electroencephalogram		Absolute power of alpha band of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_A LPHA_ABS	2::22972
Power EEG, PowerSpectrum, BetaBand, AbsolutePower Cortex CNS	Absolute power of beta band of electroencephalogram		Absolute power of beta band of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_B ETA_ABS	2::22976
Power EEG, PowerSpectrum, DeltaBand, AbsolutePower Cortex CNS	Absolute power of delta band of electroencephalogram		Absolute power of delta band of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_D ELTA_ABS	2::22980
Power EEG, PowerSpectrum, ThetaBand, AbsolutePower Cortex CNS	Absolute power of theta band of electroencephalogram		Absolute power of theta band of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_T HETA_ABS	2::22984
Power EEG, PowerSpectrum, SigmaBand, AbsolutePower Cortex CNS	Absolute power of sigma band of electroencephalogram		Absolute power of sigma band of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_S IGMA_ABS	2::22988
Power EEG, PowerSpectrum, GammaBand, AbsolutePower Cortex CNS	Absolute power of gamma band of electroencephalogram		Absolute power of gamma band of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_G AMMA_ABS	2::22992
Power EEG, PowerSpectrum, AlphaBand, RelativePower Cortex CNS	Relative power of alpha band of electroencephalogram		Relative power of alpha band of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_A LPHA_REL	2::22996
Power EEG, PowerSpectrum, BetaBand, RelativePower Cortex CNS	Relative power of beta band of electroencephalogram		Relative power of beta band of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_B ETA_REL	2::23000
Power EEG, PowerSpectrum, DeltaBand, RelativePower Cortex CNS	Relative power of delta band of electroencephalogram		Relative power of delta band of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_D ELTA_REL	2::23004
Power EEG, PowerSpectrum, ThetaBand, RelativePower Cortex CNS	Relative power of theta band of electroencephalogram		Relative power of theta band of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_T HETA_REL	2::23008

Table A.7.8.6.1—Nomenclature and codes for neurological monitoring measurements (multiple table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Power EEG, PowerSpectrum, SigmaBand, RelativePower Cortex CNS	Relative power of sigma band of electroencephalogram		Relative power of sigma band of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_S IGMA_REL	2::23012
Power EEG, PowerSpectrum, GammaBand, RelativePower Cortex CNS	Relative power of gamma band of electroencephalogram		Relative power of gamma band of power spectrum of EEG measured between two electrodes, Position 1 and Position 2 at head surface. A list attribute is used. See also A.8.4.	MDC_EEG_PWR_SPEC_G AMMA_REL	2::23016
Power Electromyographic Cortex, EEG CNS	Electromyography	EMG	Electromyographic signal strength, predominantly representing muscle activity above 70 Hz.	MDC_EMG_ELEC_POTL_MUSCL	2::22568
Pressure Head, Intracranial CNS	Intracranial pressure	ICP	Pressure inside skull.	MDC_PRESS_INTRA_CRA_N	2::22536
Pressure Mean Head, Intracranial CNS	Mean intracranial pressure	ICPM	Mean pressure inside skull.	MDC_PRESS_INTRA_CRA_N_MEAN	2::22539
Pressure Systolic Head, Intracranial CNS	Systolic intracranial pressure	ICPS	Maximum pressure inside skull, caused by filling of vessels during systolic phase of blood pressure.	MDC_PRESS_INTRA_CRA_N_SYS	2::22537
Pressure Diastolic Head, Intracranial CNS	Diastolic intracranial pressure	ICPD	Minimum pressure inside skull, caused by emptying of vessels during diastolic phase of blood pressure.	MDC_PRESS_INTRA_CRA_N_DIA	2::22538
Pressure Difference(MeanArterial, MeanIntracranial) Head, Intracranial CNS	Cerebral perfusion pressure	CPP	Pressure difference between mean arterial pressure and mean pressure inside skull.	MDC_PRESS_CEREB_PE RF	2::22532
Pressure Epidural Head, Intracranial CNS	Epidural pressure	ICPE	Pressure inside skull outside dura.	MDC_PRESS_INTRA_CRA_N_EPIDURAL	2::22540
Pressure Epidural, Mean Head, Intracranial CNS	Mean epidural pressure	ICPEM	Mean pressure inside skull outside dura.	MDC_PRESS_INTRA_CRA_N_EPIDURAL_MEAN	2::22543
Pressure Epidural, Systolic Head, Intracranial CNS	Systolic epidural pressure	ICPES	Maximum pressure inside skull outside dura, caused by filling of vessels during systolic phase of blood pressure.	MDC_PRESS_INTRA_CRA_N_EPIDURAL_SYS	2::22541
Pressure Epidural, Diastolic Head, Intracranial CNS	Diastolic epidural pressure	ICPED	Minimum pressure inside skull outside dura, caused by emptying of vessels during diastolic phase of blood pressure.	MDC_PRESS_INTRA_CRA_N_EPIDURAL_DIA	2::22542
Pressure Subdural Head, Intracranial CNS	Subdural pressure	ICPS	Pressure inside skull inside dura.	MDC_PRESS_INTRA_CRA_N_SUBDURAL	2::22544
Pressure Subdural, Mean Head, Intracranial CNS	Mean subdural pressure	ICPSM	Mean pressure inside skull inside dura.	MDC_PRESS_INTRA_CRA_N_SUBDURAL_MEAN	2::22547

Table A.7.8.6.1—Nomenclature and codes for neurological monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pressure Subdural, Systolic Head, Intracranial CNS	Systolic subdural pressure	ICPSS	Maximum pressure inside skull inside dura, caused by filling of vessels during systolic phase of blood pressure.	MDC_PRESS_INTRA_CRA_N_SUBDURAL_SYS	2::22545
Pressure Subdural, Diastolic Head, Intracranial CNS	Diastolic subdural pressure	ICPSD	Minimum pressure inside skull inside dura, caused by emptying of vessels during diastolic phase of blood pressure.	MDC_PRESS_INTRA_CRA_N_SUBDURAL_DIA	2::22546
Pressure Tissue Head, Intracranial CNS	Intracranial tissue pressure	ICPT	Pressure inside skull inside brain tissue.	MDC_PRESS_INTRA_CRA_N_TISS	2::22548
Pressure Tissue, Mean Head, Intracranial CNS	Mean intracranial tissue pressure	ICPTM	Mean pressure inside skull inside brain tissue.	MDC_PRESS_INTRA_CRA_N_TISS_MEAN	2::22551
Pressure Systolic Head, Intracranial CNS	Systolic intracranial pressure	ICPTS	Maximum pressure inside skull inside brain tissue, caused by filling of vessels during systolic phase of blood pressure.	MDC_PRESS_INTRA_CRA_N_TISS_SYS	2::22549
Pressure Diastolic Head, Intracranial CNS	Diastolic intracranial pressure	ICPTD	Minimum pressure inside skull inside brain tissue, caused by emptying of vessels during diastolic phase of blood pressure.	MDC_PRESS_INTRA_CRA_N_TISS_DIA	2::22550
Pressure Ventricular Head, Intracranial CNS	Ventricular pressure	ICPV	Pressure inside skull inside ventricle.	MDC_PRESS_INTRA_CRA_N_VENT	2::22552
Pressure Ventricular, Mean Head, Intracranial CNS	Mean ventricular pressure	ICPVM	Mean pressure inside skull inside ventricle.	MDC_PRESS_INTRA_CRA_N_VENT_MEAN	2::22555
Pressure Ventricular, Systolic Head, Intracranial CNS	Systolic ventricular pressure	ICPVS	Maximum pressure inside skull inside ventricle, caused by filling of vessels during systolic phase of blood pressure.	MDC_PRESS_INTRA_CRA_N_VENT_SYS	2::22553
Pressure Ventricular, Diastolic Head, Intracranial CNS	Diastolic ventricular pressure	ICPVD	Minimum pressure inside skull inside ventricle, caused by emptying of vessels during diastolic phase of blood pressure.	MDC_PRESS_INTRA_CRA_N_VENT_DIA	2::22554
Score GlasgowComaScore CNS State CNS	Glasgow coma score	GCS	Score that monitors the neurologic status and probable outcome of patient.	MDC_SCORE_GLAS_CO_MA	2::22656
Score GlasgowComaScore, SubscoreEye CNS State CNS	Glasgow coma score, eye	GCSE	Subscore for visual reactions of score that monitors the neurologic status and probable outcome of patient.	MDC_SCORE_EYE_SUBS_C_GLAS_COMA	2::22658
Score GlasgowComaScore, SubscoreMotoric CNS State CNS	Glasgow coma score, motoric	GCMS	Subscore for motoric reactions of score that monitors the neurologic status and probable outcome of patient.	MDC_SCORE_MOTOR_SUBSC_GLAS_COMA	2::22659
Score GlasgowComaScore, SubscoreVerbal CNS State CNS	Glasgow coma score, verbal	GCSV	Subscore for verbal reactions of score that monitors the neurologic status and probable outcome of patient.	MDC_SCORE_SUBSC_VE_RBAL_GLAS_COMA	2::22660

Table A.7.8.6.1—Nomenclature and codes for neurological monitoring measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Score GlasgowComaScore, Sum CNS State CNS	Glasgow coma score	GCSS	Sum of subscores for score that monitors the neurologic status and probable outcome of patient.	MDC_SCORE_SUBSC_SU M_GLAS_COMA	2::22657
Score Sleepstage, EEG CNS State CNS	Sleep stage		Sleep stage determined out of the EEG, EOG, and EMG; sleep depth.	MDC_EEG_SCORE_SLEE PSTG	2::22664
Score AVPU (alert, verbal, painful, unresponsive) CNS State CNS	AVPU Score	AVPU	AVPU (alert/verbal/painful/unresponsive) responsiveness scale, and as a score, specifying one of four possible CNS assessments: A alert, V responsive to verbal stimulation, P responsive to painful stimulation, and U unresponsive.	MDC_SCORE_AVPU	2::22668
Signal, Pattern ParoxysmalActivity, Burst Cortex, EEG CNS	Burst		Epileptic or potentially epileptogenic activity identifiers, burst.	MDC_EEG_PAROX_CRTX BURST	2::25168
Rate, Pattern ParoxysmalActivity, Burst Cortex, EEG CNS	Burst Rate		Epileptic or potentially epileptogenic activity identifiers, burst rate.	MDC_EEG_PAROX_CRTX BURST_RATE	2::25170

A.7.9 Nomenclature, data dictionary, and codes for neurophysiologic enumerations**A.7.9.1 Introduction**

Subclause A.7.9 presents a nomenclature for systematic names for enumeration in neurophysiologic monitoring. The systematic names are grouped in several tables (see Table A.7.9.6.1, Table A.7.10.6.1, Table A.8.2.5.1, and Table A.8.3.5.1). Table A.7.9.6.1 lists systematic names concerning neurophysiologic *patterns*, derived from EEG, EMG, etc., signals by a neurophysiologic measurement system or by a physician who marks his or her diagnostics during visual inspection of the signal. This nomenclature holds basic patterns only to describe the waveforms. The physician often has to qualify the patterns (e.g., frequency, amplitude) by a grading system. That system is not included in this nomenclature because a system for that purpose is available from ASTM.

A.7.9.2 Base concept

In this special case, only one descriptor is applicable:

- **Pattern** (the pattern recognized in a measurement)

A.7.9.3 First set of differentiating criteria

The second field of the systematic name refers to the measurement features.

A.7.9.3.1 Semantic link "has origin:"

Descriptors for EEG waveforms are as follows:

- **ArtifactualActivity**
- **Background**
- **Classification**
- **EvokedPotential**
- **ExternallyInfluenced**
- **ParoxysmalActivity**

The descriptor for EOG waveforms is as follows:

- **EyeMovement**

A.7.9.3.2 Semantic link "has morphologic classification:"

Descriptors for EEG sleep stages are as follows:

- **AlphaDeltaSleep**
- **REMsleep**
- **REMspindleSleep**
- **SleepStageI**
- **SleepStageII**
- **SleepStageIII**
- **SleepStageIV**
- **StageWake**

- UnspecifiedSleepStage
- Unstageable

A.7.9.3.3 Semantic link "*has pattern type*:"

Descriptors for EEG sleep activity or event type are as follows:

- Arousal
- Awakening
- F_Wave
- K_Complex
- PostOccipitalSharpTransient
- SawToothWave
- SleepActivity
- SleepSpindle
- SleepStageShift
- V_Wave

A.7.9.3.4 Semantic link "*has activity type*:"

Descriptors for EEG background activity are as follows:

- AlphaActivity
- ArrhythmicDeltaActivity
- BetaActivity
- BisynchronousDeltaActivity
- BisynchronousThetaActivity
- DeltaActivity
- GammaActivity
- MuActivity
- SigmaActivity
- SlowFusedTransients
- ThetaActivity
- Unspecified

Descriptors for EEG sharp or epileptiform activity are as follows:

- 14And6HzPositiveBursts
- LambdaWave
- PhantomSpikeAndWaveActivity
- SharpTransient
- SmallSharpSpike
- TriphasicWave
- UnspecifiedEpileptiformDischarge
- Wicket
- ZetaWave

Descriptors for EEG epileptic or epileptogenic activity are as follows:

- **AtypicalSpikeAndWaveComplex**
- **BurstSuppression**
- **MultipleIndependentSpikesAndAsynchronousSlow**
- **MultipleSpikes**
- **RhythmicSharpWaves**
- **SharpAndSlowWaveComplex**
- **SharpWave**
- **Spike**
- **SpikeAndWaveComplex**
- **UnspecificIctalDischarge**

Descriptors for EEG periodic and quasiperiodic cerebral activity are as follows:

- **PeriodicBurstsWithSuppressions**
- **PeriodicComplexes**
- **PeriodicEpileptiformDischarges**
- **PeriodicSharpWaves**
- **PeriodicSuppressions**
- **PeriodicTriphasicWaves**
- **QuasiperiodicSharpWaves**
- **QuasiperiodicTriphasicWaves**
- **UnspecifiedPeriodicCerebralActivity**

Descriptors for eye-related activity in EEG are as follows:

- **Electroretinogram**
- **EyeBlink**
- **FastIrregularEyeMovements**
- **NystagmoidEyeMovements**
- **PhoticDrivingActivity**
- **PhotomyogenicActivity**
- **PhotoparadoxysmalActivity**
- **RapidEyeMovements**
- **SlowEyeMovements**
- **UnspecifiedEyeMovements**

Descriptors for myogenic noncerebral activity in EEG are as follows:

- **ExtraocularMuscleActivity**
- **FaciaSynkinesis**
- **HemifacialSpasms**
- **MyoclonicActivity**
- **Myokymia**
- **PalatalMyoclonus**
- **PeriodicMovementsOfSleep**

- **PeriodicMovementsOfSleepWithArousals**
- **TremorActivity**
- **UnspecifiedMyogenicActivity**

Descriptors for artifactual activity in EEG are as follows:

- **ECG_Artifact**
- **ElectrodeInstrumentalArtifact**
- **ExternalInterferenceArtifact**
- **GlossokineticArtifact**
- **MovementArtifact**
- **PulseArtifact**
- **RespiratoryArtifact**
- **SwallowingChewingSuckingArtifact**
- **SweatOrGalvanicArtifact**
- **Unspecified**

A.7.9.3.5 Semantic link "*has waveform type*:"

Descriptors for standard EMG patterns are as follows:

- **AfterDischarges**
- **ComplexRepetitiveDischarges**
- **CrampDischarges**
- **Doublet**
- **EndPlateNoise**
- **EndPlateSpike**
- **FasciculationPotential**
- **FibrillationPotential**
- **InsertionalActivity**
- **MotorUnitPotential**
- **Multiplet**
- **MyokymicDischarges**
- **MyotonicDischarge**
- **PositiveSharpWave**
- **Triplet**
- **Unspecified**
- **UnspecifiedIterativeDischarges**
- **UnspecifiedPotentialUnderVoluntaryControl**

Descriptors for motor nerve conductens study (NCS) EMG patterns are as follows:

- **AxonReflex**
- **C_Reflex**
- **F_Wave**
- **H_Reflex**

- **SilentPeriod**
- **Unspecified**

Descriptors for sensory NCS waveforms are as follows:

- **ContralateralR2**
- **R1**
- **R2**
- **SNAP**
- **Unspecified**

Descriptors for brainstem acoustic evoked potential (BAEP) waveforms are as follows:

- **Peak_I**
- **Peak_II**
- **Peak_III**
- **Peak_IV**
- **Peak_V**
- **Peak_VI**
- **Unspecified**

Descriptors for middle latency acoustic evoked potential (MLAEP) waveforms are as follows:

- **N0_Peak**
- **Na_Peak**
- **Nb_Peak**
- **P0_Peak**
- **Pa_Peak**
- **Pb_Peak**
- **Unspecified**

Descriptors for long latency acoustic evoked potential (LLAEP) waveforms are as follows:

- **Nb_Peak**
- **N1_Peak**
- **N2_Peak**
- **P1_Peak**
- **P2_Peak**
- **P300_Peak**
- **Unspecified**

Descriptors for electrocochleograph (ECoG) waveforms are as follows:

- **CochlearMicroNerveActionPotential**
- **CochlearMicrophonic**
- **CochlearMicroSummatingPotential**
- **NerveActionPotential**
- **SummatingPotential**

- **SummatingPotentialNerveActionPotential**
- **Unspecified**

Descriptors for electroretinograph (ERG) waveforms are as follows:

- **A_Wave**
- **B_Wave**
- **C_Wave**
- **EarlyReceptorPotential**
- **Unspecified**

Descriptors for patterned VEP waveforms are as follows:

- **N75_Peak**
- **N145_Peak**
- **P50_Peak**
- **P100_Peak**
- **P175_Peak**
- **P300_Peak**
- **Unspecified**

Descriptors for diffuse light VEP waveforms are as follows:

- **N1_Peak**
- **N2_Peak**
- **N3_Peak**
- **P1_Peak**
- **P2_Peak**
- **P3_Peak**
- **Unspecified**

Descriptors for medianus or ulnaris somatosensory evoked potential (SEP) waveforms are as follows:

- **N9_Peak**
- **N11_Peak**
- **N13_Peak**
- **N20_Peak**
- **P30_Peak**
- **P300_Peak**
- **Unspecified**

Descriptors for peroneus SEP waveforms are as follows:

- **HighThoracic_Peak**
- **LowThoracic_Peak**
- **Lumbar_Peak**
- **N35_Peak**
- **P27_Peak**

- **P300_Peak**
- **Unspecified**

Descriptors for tibialis SEP waveforms are as follows:

- **Lumbar_Peak**
- **N45_Peak**
- **P37_Peak**
- **P300_Peak**
- **Popliteal_Peak**
- **Thoracic_Peak**
- **Unspecified**

Descriptors for SEP waveforms are as follows:

- **P300_Peak**
- **Peak_I**
- **Peak_II**
- **Peak_III**
- **Peak_IV**
- **Peak_V**
- **Unspecified**

Descriptors for waveforms in EOG signals caused by eye movement are as follows:

- **Blink**
- **Other**
- **Rapid**
- **Saccadic**
- **Slow**

A.7.9.3.6 Semantic link "*has status:*"

Descriptors for the status of the eyes are as follows:

- **Closing**
- **Opening**

A.7.9.4 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement.

A.7.9.4.1 Semantic link "*has organ:*"

Descriptors for the organ are as follows:

- **CochlearNerve**
- **Cortex**
- **Ear**

- Eye
- Muscle
- Nerve
- NonCortex
- Retina

A.7.9.4.2 Semantic link "*has origin*:"

Descriptors for the origin of the signal, i.e., the head, the eyes, or a muscle, are as follows:

- Artifact
- EEG
- EMG
- EOG
- StandardEMG

Descriptors to specify nerve function are as follows:

- Motoric
- Sensory

A.7.9.4.3 Semantic link "*has method*:"

Descriptors for the method to provoke signals measured in the EEG are as follows:

- BAEP
- Diffuse_Light_VEP
- LLAEP
- MedianusOrUlnarisSEP
- MLAEP
- OtherSEP
- Patterned_VEP
- PeroneusSEP
- TibialisSEP

A.7.9.5 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organic system for which the term is relevant.

A.7.9.5.1 Semantic link "*pertains to*:"

The following descriptors are used:

- CNS
- MuscularSystem
- PeripheralNervousSystem

A.7.9.6 Code table

See Table A.7.9.6.1 for the nomenclature and codes for neurophysiologic enumerations.

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern Background, Unspecified Cortex, EEG CNS	Background activity		Background activity description, unspecified	MDC_EEG_BKGD_CRTX	2::23560
Pattern Background, BetaActivity Cortex, EEG CNS	Background activity beta		Background activity description, beta activity	MDC_EEG_BKGD_CRTX_ACTIV_BETA	2::23568
Pattern Background, SigmaActivity Cortex, EEG CNS	Background activity sigma		Background activity description, sigma activity	MDC_EEG_BKGD_CRTX_ACTIV_SIGMA	2::23576
Pattern Background, GammaActivity Cortex, EEG CNS	Background activity gamma		Background activity description, gamma activity	MDC_EEG_BKGD_CRTX_ACTIV_GAMMA	2::23584
Pattern Background, AlphaActivity Cortex, EEG CNS	Background activity alpha		Background activity description, alpha activity	MDC_EEG_BKGD_CRTX_ACTIV_ALPHA	2::23592
Pattern Background, MuActivity Cortex, EEG CNS	Background activity mu		Background activity, mu activity	MDC_EEG_BKGD_CRTX_ACTIV_MU	2::23600
Pattern Background, ThetaActivity Cortex, EEG CNS	Background activity theta		Background activity, theta activity	MDC_EEG_BKGD_CRTX_ACTIV_THETA	2::23608
Pattern Background, ThetaActivity Cortex, EEG CNS	Background activity theta		Background activity, theta pattern	MDC_EEG_PATT_CRTX_THETA_BKGD	2::33608
Pattern Background, BisynchronousThetaActivity Cortex, EEG CNS	Background activity bisynchronous theta		Background activity, bisynchronous theta activity	MDC_EEG_BKGD_CRTX_ACTIV_THETA_BISYNC	2::23616
Pattern Background, DeltaActivity Cortex, EEG CNS	Background activity delta		Background activity description, delta activity	MDC_EEG_BKGD_CRTX_ACTIV_DELTA	2::23624
Pattern Background, BisynchronousDeltaActivity Cortex, EEG CNS	Background activity bisynchronous delta		Background activity description, bisynchronous delta activity	MDC_EEG_BKGD_CRTX_ACTIV_DELTA_BISYNC	2::23632
Pattern Background, ArrhythmicDeltaActivity Cortex, EEG CNS	Background activity arrhythmic delta		Background activity description, arrhythmic delta activity	MDC_EEG_BKGD_CRTX_ACTIV_ARRHY_DELTA	2::23640
Pattern Background, SlowFusedTransients Cortex, EEG CNS	Background activity slow fused transients		Background activity description, slow fused transients	MDC_EEG_BKGD_CRTX_TRANS_FUSED_SLOW	2::23648
Pattern Classification, UnspecifiedSleepStage Cortex, EEG CNS	Sleep stage unspecified		Sleep state description, unspecified	MDC_EEG_CLS_CRTX_LP_STG	2::23656

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern Classification, Unstageable Cortex, EEG CNS	Sleep stage unstageable		Sleep state description, unstageable, movement time	MDC_EEG_CLS_CRTX_U_NSTGABLE	2::23664
Pattern Classification, StageWake, Cortex, EEG CNS	Sleep stage wake		Sleep state description, stage wake	MDC_EEG_CLS_CRTX_W_AKE_STG	2::23672
Pattern Classification, REMsleep Cortex, EEG CNS	Sleep stage REM		Sleep state description, REM sleep	MDC_EEG_CLS_CRTX_S_LP_REM	2::23680
Pattern Classification, REMspindleSleep Cortex, EEG CNS	Sleep stage REM with sleep spindle		Sleep state description, REM-spindle sleep	MDC_EEG_CLS_CRTX_S_LP_REM_SPINDLE	2::23688
Pattern Classification, SleepStageI Cortex, EEG CNS	Sleep Stage I		Sleep state description, Stage I sleep	MDC_EEG_CLS_CRTX_S_LP_STG_I	2::23696
Pattern Classification, SleepStageII Cortex, EEG CNS	Sleep Stage II		Sleep state description, Stage II sleep	MDC_EEG_CLS_CRTX_S_LP_STG_II	2::23704
Pattern Classification, SleepStageIII Cortex, EEG CNS	Sleep Stage III		Sleep state description, Stage III sleep	MDC_EEG_CLS_CRTX_S_LP_STG_III	2::23712
Pattern Classification, SleepStageIV Cortex, EEG CNS	Sleep stage IV		Sleep state description, Stage IV sleep	MDC_EEG_CLS_CRTX_S_LP_STG_IV	2::23720
Pattern Classification, AlphaDeltaSleep Cortex, EEG CNS	Alphadelta Sleep		Sleep state description, alpha-delta sleep	MDC_EEG_CLS_CRTX_S_LP_STG_ALPHA_DELTA	2::23728
Pattern Classification, SleepActivity Cortex, EEG CNS	Sleep activity and event		Sleep activity and event description, sleep activity	MDC_EEG_CLS_CRTX_S_LP_ACTIV	2::23736
Pattern Classification, SleepSpindle Cortex, EEG CNS	Sleep spindle		Sleep activity and event description, sleep spindle	MDC_EEG_CLS_CRTX_S_LP_SPINDLE	2::23744
Pattern Classification, V_Wave Cortex, EEG CNS	Sleep V wave		Sleep activity and event description, V waves	MDC_EEG_CLS_CRTX_W_V_V	2::23752
Pattern Classification, F_Wave Cortex, EEG CNS	Sleep F wave		Sleep activity and event description, F waves	MDC_EEG_CLS_CRTX_W_V_F	2::23760
Pattern Classification, K_Complex Cortex, EEG CNS	Sleep K complex		Sleep activity and event description, K complexes	MDC_EEG_CLS_CRTX_C_MPLX_K	2::23768
Pattern Classification, PostOccipitalSharpTransient Cortex, EEG CNS	Sleep post occipital sharp transient		Sleep activity and event, postoccipital sharp transients	MDC_EEG_CLS_CRTX_P_OSTOCCIP_TRANS_SHA_RP	2::23776
Pattern Classification, SawToothWave Cortex, EEG CNS	Sleep sawtooth wave		Sleep activity and event description, sawtooth waves	MDC_EEG_CLS_CRTX_W_V_SAW	2::23784

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern Classification, SleepStageShift Cortex, EEG CNS	Sleep stage shift		Sleep activity and event description, sleep stage shifts	MDC_EEG_CLS_CRTX_S_LP_STG_SHIFT	2::23792
Pattern Classification, Arousal Cortex, EEG CNS	Sleep arousal		Sleep activity and event description, arousals	MDC_EEG_CLS_CRTX_A_ROUSAL	2::23800
Pattern Classification, Awakening Cortex, EEG CNS	Sleep awakening		Sleep activity and event description, awakenings	MDC_EEG_CLS_CRTX_A_WAKENING	2::23808
Pattern ParoxysmalActivity, UnspecifiedEpileptiformDischarge Cortex, EEG CNS	Sharp appearing or epileptiform activity		Sharp appearing or epileptiform activity, unspecified epileptiform discharges	MDC_EEG_PAROX_CRTX_DISCHG_EPILEP	2::23816
Pattern ParoxysmalActivity, SharpTransient Cortex, EEG CNS	Sharp transient		Sharp appearing or epileptiform activity, sharp transients	MDC_EEG_PAROX_CRTX_TRANS_SHARP	2::23824
Pattern ParoxysmalActivity, Wicket Cortex, EEG CNS	Wicket		Sharp appearing or epileptiform activity, wickets	MDC_EEG_PAROX_CRTX_WICKET	2::23832
Pattern ParoxysmalActivity, SmallSharpSpike Cortex, EEG CNS	Small sharp spike		Sharp appearing or epileptiform, small sharp spikes	MDC_EEG_PAROX_CRTX_SPK_SHARP_SMALL	2::23840
Pattern ParoxysmalActivity, ZetaWave Cortex, EEG CNS	Zeta wave		Sharp appearing or epileptiform, zeta waves	MDC_EEG_PAROX_CRTX_WV_ZETA	2::23848
Pattern ParoxysmalActivity, TriphasicWave Cortex, EEG CNS	Triphasic wave		Sharp appearing or epileptiform activity, triphasic waves	MDC_EEG_PAROX_CRTX_WV_TRIPHAS	2::23856
Pattern ParoxysmalActivity, PhantomSpikeAndWaveActivity Cortex, EEG CNS	Phantom spike and wave activity		Sharp appearing or epileptiform activity, phantom spike and wave activity	MDC_EEG_PAROX_CRTX_SPK_AND_WV_PHANTOM	2::23864
Pattern ParoxysmalActivity, 14And6HzPositiveBursts Cortex, EEG CNS	14 and 6 Hz positive bursts		Sharp appearing or epileptiform activity, 14 and 6 Hz positive bursts	MDC_EEG_PAROX_CRTX_BURST_POS_14_AND_6_HZ	2::23872
Pattern ParoxysmalActivity, LambdaWave Cortex, EEG CNS	Lambda wave		Sharp appearing or epileptiform activity	MDC_EEG_PAROX_CRTX_WV_LAMBDA	2::23880
Pattern ParoxysmalActivity, UnspecifiedIctalDischarge Cortex, EEG CNS	Epileptic or potentially epileptogenic activity		Epileptic or potentially epileptogenic activity identifiers, unspecific ictal discharges	MDC_EEG_PAROX_CRTX_DISCHG	2::23888
Pattern ParoxysmalActivity, SharpWave Cortex, EEG CNS	Epileptic or potentially epileptogenic sharp wave		Epileptic or potentially epileptogenic activity identifiers, sharp waves	MDC_EEG_PAROX_CRTX_WV_SHARP	2::23896

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern ParoxysmalActivity, Spike Cortex, EEG CNS	Epileptic or potentially epileptogenic spike		Epileptic or potentially epileptogenic activity identifiers, spikes	MDC_EEG_PAROX_CRTX_SPK	2::23904
Pattern ParoxysmalActivity, MultipleSpikes Cortex, EEG CNS	Multiple spike		Epileptic or potentially epileptogenic activity identifiers, multiple spikes	MDC_EEG_PAROX_CRTX_SPK_MULT	2::23912
Pattern ParoxysmalActivity, SpikeAndWaveComplex Cortex, EEG CNS	Spike and wave complex		Epileptic or potentially epileptogenic activity identifiers, spike and wave complexes	MDC_EEG_PAROX_CRTX_SPK_AND_WV_CMPLX	2::23920
Pattern ParoxysmalActivity, AtypicalSpikeAndWaveComplex Cortex, EEG CNS	Atypical spike and wave complex		Epileptic or potentially epileptogenic activity identifiers, atypical spike and wave complexes	MDC_EEG_PAROX_CRTX_SPK_AND_WV_CMPLX_ATYP	2::23928
Pattern ParoxysmalActivity, SharpAndSlowWaveComplex Cortex, EEG CNS	Sharp and slow wave complex		Epileptic or potentially epileptogenic activity identifiers, sharp and slow wave complexes	MDC_EEG_PAROX_CRTX_WV_CMPLX_SHARP_SLOW	2::23936
Pattern ParoxysmalActivity, RhythmicSharpWaves Cortex, EEG CNS	Rhythmic sharp waves		Epileptic or potentially epileptogenic activity identifiers, rhythmic sharp waves	MDC_EEG_PAROX_CRTX_WV_RHYTHMIC_MULT_SHARP	2::23944
Pattern ParoxysmalActivity, BurstSuppression Cortex, EEG CNS	Burst suppression		Epileptic or potentially epileptogenic activity identifiers, burst suppression	MDC_EEG_PAROX_CRTX_BURST_SUPPRN	2::23952
Pattern ParoxysmalActivity, MultipleIndependentSpikesAndAsynchronousSlowWaves Cortex, EEG CNS	Multiple independent spikes and asynchronous slow waves		Epileptic or potentially epileptogenic activity identifiers, multiple independent spikes and asynchronous slow (hypsarrhythmia)	MDC_EEG_PAROX_CRTX_SPK_MULT_AND_ASYNC_SLOW	2::23960
Pattern ParoxysmalActivity, UnspecifiedPeriodicCerebralActivity Cortex, EEG CNS	Periodic and quasiperiodic cerebral activity		Cont. moderate frequency periodic epileptiform discharges, unspecified periodic cerebral activity	MDC_EEG_PAROX_CRTX_CEREB_ACTIV_PERI	2::23968
Pattern ParoxysmalActivity, QuasiperiodicTriphasicWaves Cortex, EEG CNS	Quasiperiodic triphasic waves		Cont. moderate frequency periodic epileptiform discharges, quasiperiodic triphasic waves	MDC_EEG_PAROX_CRTX_WV_TRIPHAS_MULT_QUASIPERI	2::23976
Pattern ParoxysmalActivity, PeriodicTriphasicWaves Cortex, EEG CNS	Periodic triphasic waves		Cont. moderate frequency periodic epileptiform discharges, periodic triphasic waves	MDC_EEG_PAROX_CRTX_WV_TRIPHAS_MULT_PERI	2::23984
Pattern ParoxysmalActivity, PeriodicEpileptiformDischarges Cortex, EEG CNS	Periodic epileptiform discharges		Cont. moderate frequency periodic epileptiform discharges, periodic epileptiform discharges	MDC_EEG_PAROX_CRTX_DISCHG_EPILEPT_MULT_PERI	2::23992

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern ParoxysmalActivity, PeriodicComplexes Cortex, EEG CNS	Periodic cerebral complexes		Cont. moderate frequency periodic epileptiform discharges, Periodic complexes	MDC_EEG_PAROX_CRTX_CMPLX_MULT_PERI	2::24000
Pattern ParoxysmalActivity, QuasiperiodicSharpWaves Cortex, EEG CNS	Quasiperiodic cerebral sharp waves		Cont. moderate frequency periodic epileptiform discharges, quasiperiodic sharp waves	MDC_EEG_PAROX_CRTX_WV_MULT_SHARP_QUA_SIPERI	2::24008
Pattern ParoxysmalActivity, PeriodicSharpWaves Cortex, EEG CNS	Periodic sharp waves		Cont. moderate frequency periodic epileptiform discharges, periodic sharp waves	MDC_EEG_PAROX_CRTX_WV_MULT_SHARP_PERI	2::24016
Pattern ParoxysmalActivity, PeriodicSuppressions Cortex, EEG CNS	Periodic suppressions		Cont. moderate frequency periodic epileptiform discharges, periodic suppressions	MDC_EEG_PAROX_CRTX_SUPPRN_MULT_PERI	2::24024
Pattern ParoxysmalActivity, PeriodicBurstsWithSuppressions Cortex, EEG CNS	Periodic bursts with suppressions		Cont. moderate frequency periodic epileptiform discharges, periodic bursts with suppressions	MDC_EEG_PAROX_CRTX_BURST_W_SUPPRN_MU_LT_PERI	2::24032
Pattern ExternallyInfluenced, UnspecifiedEyeMovements Cortex, EEG CNS	Eye-related activity		Eye-related activity in the EEG, unspecified eye movements	MDC_EEG_EXT_CRTX_EYE_MVMT_MULT	2::24040
Pattern ExternallyInfluenced, EyeBlink Cortex, EEG CNS	Eye blinks		Eye-related activity in the EEG, eye blinks	MDC_EEG_EXT_CRTX_EYE_BLINK	2::24048
Pattern ExternallyInfluenced, NystagmoidEyeMovements Cortex, EEG CNS	Nystagmoid eye movements		Eye-related activity in the EEG, nystagmoid eye movements	MDC_EEG_EXT_CRTX_EYE_MVMT_NYSTAG_MULT_T	2::24056
Pattern ExternallyInfluenced, SlowEyeMovements Cortex, EEG CNS	Slow eye movements		Eye-related activity in the EEG, slow eye movements	MDC_EEG_EXT_CRTX_EYE_MVMT_MULT_SLOW	2::24064
Pattern ExternallyInfluenced, FastIrregularEyeMovements Cortex, EEG CNS	Fast irregular eye movements		Eye-related activity in the EEG, fast irregular eye movements	MDC_EEG_EXT_CRTX_EYE_MVMT_MULT_FAST_I_RREG	2::24072
Pattern ExternallyInfluenced, RapidEyeMovements Cortex, EEG CNS	Rapid eye movements		Eye-related activity in the EEG, rapid eye movements	MDC_EEG_EXT_CRTX_EYE_MVMT_MULT_RAPID	2::24080
Pattern ExternallyInfluenced, PhotocDrivingActivity Cortex, EEG CNS	Eye-related photodriving activity		Eye-related activity in the EEG, photic driving activity	MDC_EEG_EXT_CRTX_EYE_ACTIV_PHOTIC_DRV	2::24088
Pattern ExternallyInfluenced, PhotomyogenicActivity Cortex, EEG CNS	Eye-related photomyogenic activity		Eye-related activity in the EEG, photomyogenic activity	MDC_EEG_EXT_CRTX_EYE_ACTIV_PHOTOMYOGENIC	2::24096

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern ExternallyInfluenced, PhotoparadoxySmallActivity Cortex, EEG CNS	Eye-related photoparadoxy small activity		Eye-related activity in the EEG, photoparadoxy small activity	MDC_EEG_EXT_CRTX_EYE_ACTIV_PHOTOPARADOX	2::24104
Pattern ExternallyInfluenced, Electroretinogram Cortex, EEG CNS	Eye-related activity electroretinogram		Eye-related activity, electroretinogram	MDC_EEG_EXT_CRTX_EYE_ERG	2::24112
Pattern ExternallyInfluenced, UnspecifiedMyogenicActivity NonCortex, EEG CNS	Myogenic noncerebral activity		Myogenic noncerebral activity, unspecified myogenic activity	MDC_EEG_EXT_ACTIV_MYOGENIC	2::24120
Pattern ExternallyInfluenced, PalatalMyoclonus NonCortex, EEG CNS	Myogenic palatal myoclonus		Myogenic noncerebral activity, palatal myoclonus	MDC_EEG_EXT_PALATAL_MYOCLO Nus	2::24128
Pattern ExternallyInfluenced, Myokymia NonCortex, EEG CNS	Myogenic noncerebral myokymia		Myogenic noncerebral activity, myokymia	MDC_EEG_EXT_MYOKYMIA	2::24136
Pattern ExternallyInfluenced, FacialSynkinesis NonCortex, EEG CNS	Myogenic noncerebral facial synkinesis		Myogenic noncerebral activity, facial synkinesis	MDC_EEG_EXT_FACIAL_SYNKINESIS	2::24144
Pattern ExternallyInfluenced, HemifacialSpasms NonCortex, EEG CNS	Myogenic hemifacial spasms		Myogenic noncerebral activity, hemifacial spasms	MDC_EEG_EXT_HEMIFACIAL_SPASM	2::24152
Pattern ExternallyInfluenced, ExtraocularMuscleActivity NonCortex, EEG CNS	Extraocular muscle activity		Myogenic noncerebral activity, extraocular muscle activity	MDC_EEG_EXT_EXTRAOCULAR_MUSCLE_ACTIV	2::24160
Pattern ExternallyInfluenced, TremorActivity NonCortex, EEG CNS	Myogenic tremor activity		Myogenic noncerebral activity, tremor activity	MDC_EEG_EXT_ACTIV_TREMOR	2::24168
Pattern ExternallyInfluenced, MyoclonicActivity NonCortex, EEG CNS	Myoclonic activity		Myogenic noncerebral activity, myoclonic activity	MDC_EEG_EXT_ACTIV_MYOCLONIC	2::24176
Pattern ExternallyInfluenced, PeriodicMovementsOfSleep NonCortex, EEG CNS	Periodic movements of sleep		Myogenic noncerebral activity, periodic movements of sleep	MDC_EEG_EXT_SLP_MULT_PERIODIC	2::24184
Pattern ExternallyInfluenced, PeriodicMovementsOfSleepWithArousals NonCortex, EEG CNS	Periodic movements of sleep with arousals		Myogenic noncerebral activity, periodic movements of sleep with arousals	MDC_EEG_EXT_SLP_MULT_PERIODIC_AROUSALS	2::24192

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern ArtfactualActivity, Unspecified Artfact, NonCortex, EEG CNS	Artfactual activity		Artfactual activity, unspecified artifact	MDC_EEG_ARTIF	2::24200
Pattern ArtfactualActivity, ElectrodeInstrumentalArtfact Artfact, NonCortex, EEG CNS	Electrode instrumental artfactual activity		Artfactual activity, electrode/instrumental artifact	MDC_EEG_ARTIF_ELECTRODE_INSTRUM	2::24208
Pattern ArtfactualActivity, MovementArtfact Artfact, NonCortex, EEG CNS	Movement artfactual activity		Artfactual activity, movement artifact	MDC_EEG_ARTIF_MVMT	2::24216
Pattern ArtfactualActivity, SweatOrGalvanicArtfact Artfact, NonCortex, EEG CNS	Sweat of galvanic artfactual activity		Artfactual activity, sweat or galvanic artifact	MDC_EEG_ARTIF_SWEAT_OR_GALV	2::24224
Pattern ArtfactualActivity, PulseArtfact Artfact, NonCortex, EEG CNS	Pulse artfactual activity		Artfactual activity, pulse artifact	MDC_EEG_ARTIF_PULSE	2::24232
Pattern ArtfactualActivity, ECG_Artfact Artfact, NonCortex, EEG CNS	ECG artfactual activity		Artfactual activity, ECG artifact	MDC_EEG_ARTIF_EKG	2::24240
Pattern ArtfactualActivity, RespiratoryArtfact Artfact, NonCortex, EEG CNS	Respiratory artfactual activity		Artfactual activity, respiratory artifact	MDC_EEG_ARTIF_RESP	2::24248
Pattern ArtfactualActivity, GlossokineticArtfact Artfact, NonCortex, EEG CNS	Glossokinetic artfactual activity		Artfactual activity, glossokinetic artifact	MDC_EEG_ARTIF_GLOSSOKINETIC	2::24256
Pattern ArtfactualActivity, SwallowingChewingSuckingArtfact Artfact, NonCortex, EEG CNS	Swallowing and chewing artfactual activity		Artfactual activity; swallowing, chewing, and sucking artifact	MDC_EEG_ARTIF_SWALLOW_ETC	2::24264
Pattern ArtfactualActivity, ExternalInterferenceArtfact Artfact, NonCortex, EEG CNS	External interference Artfactual activity		Artfactual activity, external interference artifact	MDC_EEG_ARTIF_EXT_INTERF	2::24272
Pattern EyeMovement, Blink Eye, EOG CNS	Eye blink	BL	Eye blink detected	MDC_EOG_EYE_MVMT_BLINK	2::24280
Pattern EyeMovement, Saccadic Eye, EOG CNS	Saccade	SAC	Saccadic eye movement detected from the EOG	MDC_EOG_EYE_MVMT_SACCADIC	2::24288
Pattern EyeMovement, Rapid Eye, EOG CNS	REM	REM	Rapid eye movement detected from the EOG	MDC_EOG_EYE_MVMT_RAPID	2::24296

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern EyeMovement, Slow Eye, EOG CNS	Slow eye movement	SEM	Slow eye movement detected from the EOG	MDC_EOG_EYE_MVMT_S LOW	2::24304
Pattern EyeMovement, Other Eye, EOG CNS	Other eye movement	OEM	Other type of eye movement detected from the EOG	MDC_EOG_EYE_MVMT_OTHER	2::24312
Pattern EyeMovement, Closing Eye, EOG CNS	Eyes closed	EC	Subject closes his/her eye (during sleep measurement)	MDC_EOG_EYE_MVMT_C LOSING	2::24320
Pattern EyeMovement, Opening Eye, EOG CNS	Eyes open	EO	Subject opens his/her eye (during sleep measurement)	MDC_EOG_EYE_MVMT_OPENING	2::24328
Pattern ParoxysmalActivity, Unspecified Muscle, StandardEMG MuscularSystem	EMG unspecified waveform		EMG waveform, unspecified	MDC_EMG_PAROX_MUS CL	2::24336
Pattern ParoxysmalActivity, UnspecifiedPotentialUnderVoluntaryControl Muscle, StandardEMG MuscularSystem	EMG waveform under voluntary control		EMG waveform, unspecified potential under voluntary control	MDC_EMG_PAROX_MUS CL_VOL_CTL	2::24344
Pattern ParoxysmalActivity, MotorUnitPotential Muscle, StandardEMG MuscularSystem	EMG motor unit potential		EMG waveform, motor unit potential	MDC_EMG_PAROX_MUS CL_MOTOR_UNIT_POTL	2::24352
Pattern ParoxysmalActivity, Doublet Muscle, StandardEMG MuscularSystem	EMG doublet waveform		EMG waveform, doublet	MDC_EMG_PAROX_MUS CL_DOUBLET	2::24360
Pattern ParoxysmalActivity, Triplet Muscle, StandardEMG MuscularSystem	EMG triplet waveform		EMG, triplet	MDC_EMG_PAROX_MUS CL_TRIPLET	2::24368
Pattern ParoxysmalActivity, Multiplet Muscle, StandardEMG MuscularSystem	EMG multiplet waveform		EMG waveform, multiplet	MDC_EMG_PAROX_MUS CL_MULTIPLET	2::24376
Pattern ParoxysmalActivity, InsertionalActivity Muscle, StandardEMG MuscularSystem	EMG insertional activity		EMG waveform, insertional activity	MDC_EMG_PAROX_MUS CL_ACTIV_INSERTIONAL	2::24384
Pattern ParoxysmalActivity, EndPlateNoise Muscle, StandardEMG MuscularSystem	EMG endplate noise		EMG waveform, endplate noise	MDC_EMG_PAROX_MUS CL_NOISE_ENDPLATE	2::24392
Pattern ParoxysmalActivity, EndPlateSpike Muscle, StandardEMG MuscularSystem	EMG endplate spike		EMG waveform, endplate spike	MDC_EMG_PAROX_MUS CL_SPK_ENDPLATE	2::24400
Pattern ParoxysmalActivity, UnspecifiedIterativeDischarges Muscle, StandardEMG MuscularSystem	EMG unspecified iterative discharge		EMG waveform, unspecified iterative discharges	MDC_EMG_PAROX_MUS CL_DISCHG_ITER	2::24408

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern ParoxysmalActivity, FibrillationPotential Muscle, StandardEMG MuscularSystem	EMG fibrillation potential		EMG waveform, fibrillation potential	MDC_EMG_PAROX_MUS CL_FIBRIL_POTL	2::24416
Pattern ParoxysmalActivity, PositiveSharpWave Muscle, StandardEMG MuscularSystem	EMG positive sharp wave		EMG waveform, positive sharp wave	MDC_EMG_PAROX_MUS CL_WV_SHARP_POS	2::24424
Pattern ParoxysmalActivity, FasciculationPotential Muscle, StandardEMG MuscularSystem	EMG fasciculation potential		EMG waveform, fasciculation potential	MDC_EMG_PAROX_MUS CL_FASCIC_POTL	2::24432
Pattern ParoxysmalActivity, MyotonicDischarge Muscle, StandardEMG MuscularSystem	EMG myotonic discharge		EMG waveform, myotonic discharge	MDC_EMG_PAROX_MUS CL_DISCHG_MYOTONIC	2::24440
Pattern ParoxysmalActivity, ComplexRepetitiveDischarges Muscle, StandardEMG MuscularSystem	EMG complex repetitive discharge		EMG waveform, complex repetitive discharges	MDC_EMG_PAROX_MUS CL_DISCHG_MULT_CMPL X_REPET	2::24448
Pattern ParoxysmalActivity, MyokymicDischarges Muscle, StandardEMG MuscularSystem	EMG myokymic discharge		EMG waveform, myokymic discharges	MDC_EMG_PAROX_MUS CL_DISCHG_MYOKEMIC_MULT	2::24456
Pattern ParoxysmalActivity, CrampDischarges Muscle, StandardEMG MuscularSystem	EMG cramp discharge		EMG waveform, cramp discharges	MDC_EMG_PAROX_MUS CL_DISCHG_CRAMP_MU LT	2::24464
Pattern ParoxysmalActivity, AfterDischarges Muscle, StandardEMG MuscularSystem	EMG waveform after discharge		EMG waveform, after discharges	MDC_EMG_PAROX_MUS CL_AFTER_DISCHG_MU LT	2::24472
Pattern ParoxysmalActivity, Unspecified Nerve, Motoric, EMG PeripheralNervousSystem	Motor NCS unspecified waveform		Motor NCS waveform, unspecified	MDC_EMG_PAROX_NER V_MOTOR	2::24480
Pattern ParoxysmalActivity, F_Wave Nerve, Motoric, EMG PeripheralNervousSystem	Motor NCS F wave		Motor NCS waveform, F wave	MDC_EMG_PAROX_NER V_MOTOR_WV_F	2::24488
Pattern ParoxysmalActivity, H_Reflex Nerve, Motoric, EMG PeripheralNervousSystem	Motor NCS H reflex wave		Motor NCS waveform, H reflex	MDC_EMG_PAROX_NER V_MOTOR_REFLEX_H	2::24496
Pattern ParoxysmalActivity, C_Reflex Nerve, Motoric, EMG PeripheralNervousSystem	Motor NCS C reflex wave		Motor NCS waveform, C reflex	MDC_EMG_PAROX_NER V_MOTOR_REFLEX_C	2::24504
Pattern ParoxysmalActivity, SilentPeriod Nerve, Motoric, EMG PeripheralNervousSystem	Motor NCS silent period		Motor NCS, silent period	MDC_EMG_PAROX_NER V_MOTOR_SILENT_PERI OD	2::24512

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern ParoxysmalActivity, AxonReflex Nerve, Motoric EMG PeripheralNervousSystem	Motor NCS waveform axon reflex		Motor NCS waveform, axon reflex	MDC_EMG_PAROX_NER_V_MOTOR_AXON_REFLEX	2::24520
Pattern ParoxysmalActivity, Unspecified Nerve, Sensory, EMG PeripheralNervousSystem	Sensory NCS unspecified		Sensory NCS waveform, unspecified	MDC_EMG_PAROX_NER_V_SENS	2::24528
Pattern ParoxysmalActivity, SNAP Nerve, Sensory, EMG PeripheralNervousSystem	Sensory NCS SNAP		Sensory NCS waveform, single nerve action potential	MDC_EMG_PAROX_NER_V_SENS_SNAP	2::24536
Pattern ParoxysmalActivity, R1 Nerve, Sensory, EMG PeripheralNervousSystem	Sensory NCS R1		Sensory NCS waveform, R1	MDC_EMG_PAROX_NER_V_SENS_R1	2::24544
Pattern ParoxysmalActivity, R2 Nerve, Sensory, EMG PeripheralNervousSystem	Sensory NCS R2		Sensory NCS waveform, R2	MDC_EMG_PAROX_NER_V_SENS_R2	2::24552
Pattern ParoxysmalActivity, ContralateralR2 Nerve, Sensory, EMG PeripheralNervousSystem	Sensory NCS contralateral R2		Sensory NCS, contralateral R2	MDC_EMG_PAROX_NER_V_SENS_R2_CONTRALAT	2::24560
Pattern EvokedPotential, Unspecified Cortex, BAEP CNS	BAEP unspecified		BAEP waveform, unspecified	MDC_EVOK_POTL_CRTX_BAEP	2::24568
Pattern EvokedPotential, Peak_I Cortex, BAEP CNS	BAEP Peak I		BAEP waveform, Peak I	MDC_EVOK_POTL_CRTX_BAEP_I_PK	2::24576
Pattern EvokedPotential, Peak_II Cortex, BAEP CNS	BAEP Peak II		BAEP waveform, Peak II	MDC_EVOK_POTL_CRTX_BAEP_II_PK	2::24584
Pattern EvokedPotential, Peak_III Cortex, BAEP CNS	BAEP Peak III		BAEP waveform, Peak III	MDC_EVOK_POTL_CRTX_BAEP_III_PK	2::24592
Pattern EvokedPotential, Peak_IV Cortex, BAEP CNS	BAEP Peak IV		BAEP waveform, Peak IV	MDC_EVOK_POTL_CRTX_BAEP_IV_PK	2::24600
Pattern EvokedPotential, Peak_V Cortex, BAEP CNS	BAEP Peak V		BAEP waveform, Peak V	MDC_EVOK_POTL_CRTX_BAEP_V_PK	2::24608
Pattern EvokedPotential, Peak_VI Cortex, BAEP CNS	BAEP Peak VI		BAEP waveform, Peak VI	MDC_EVOK_POTL_CRTX_BAEP_VI_PK	2::24616
Pattern EvokedPotential, Unspecified Cortex, MLAEP CNS	MLAEP unspecified waveform		MLAEP waveform, unspecified	MDC_EVOK_POTL_CRTX_MLAEP	2::24624
Pattern EvokedPotential, N0_Peak Cortex, MLAEP CNS	MLAEP N0 peak		MLAEP waveform, N0 peak	MDC_EVOK_POTL_CRTX_MLAEP_N0_PK	2::24632
Pattern EvokedPotential, P0_Peak Cortex, MLAEP CNS	MLAEP P0 peak		MLAEP waveform, P0 peak	MDC_EVOK_POTL_CRTX_MLAEP_P0_PK	2::24640

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern EvokedPotential, Na_Peak Cortex, MLAEP CNS	MLAEP waveform Na peak		MLAEP, Na peak	MDC_EVOK_POTL_CRTX_MLAEP_NA_PK	2::24648
Pattern EvokedPotential, Pa_Peak Cortex, MLAEP CNS	MLAEP waveform Pa peak		MLAEP waveform, Pa peak	MDC_EVOK_POTL_CRTX_MLAEP_PA_PK	2::24656
Pattern EvokedPotential, Nb_Peak Cortex, MLAEP CNS	MLAEP waveform Nb peak		MLAEP, Nb peak	MDC_EVOK_POTL_CRTX_MLAEP_NB_PK	2::24664
Pattern EvokedPotential, Pb_Peak Cortex, MLAEP CNS	MLAEP waveform Pb peak		MLAEP waveform, Pb peak	MDC_EVOK_POTL_CRTX_MLAEP_PB_PK	2::24672
Pattern EvokedPotential, unspecified Cortex, LLAEP CNS	LLAEP unspecified wave		LLAEP waveform, unspecified	MDC_EVOK_POTL_CRTX_LLAEP	2::24680
Pattern EvokedPotential, Nb_Peak Cortex, LLAEP CNS	LLAEP Nb peak		LLAEP waveform, Nb peak	MDC_EVOK_POTL_CRTX_LLAEP_NB_PK	2::24688
Pattern EvokedPotential, P1_Peak Cortex, LLAEP CNS	LLAEP P1 peak		LLAEP waveform, P1 peak	MDC_EVOK_POTL_CRTX_LLAEP_P1_PK	2::24696
Pattern EvokedPotential, N1_Peak Cortex, LLAEP CNS	LLAEP N1 peak		LLAEP waveform, N1 peak	MDC_EVOK_POTL_CRTX_LLAEP_N1_PK	2::24704
Pattern EvokedPotential, P2_Peak Cortex, LLAEP CNS	LLAEP P2 peak		LLAEP waveform, P2 peak	MDC_EVOK_POTL_CRTX_LLAEP_P2_PK	2::24712
Pattern EvokedPotential, N2_Peak Cortex, LLAEP CNS	LLAEP N2 peak		LLAEP waveform, N2 peak	MDC_EVOK_POTL_CRTX_LLAEP_N2_PK	2::24720
Pattern EvokedPotential, P300_Peak Cortex, LLAEP CNS	LLAEP P300 peak		LLAEP waveform, P300 Peak	MDC_EVOK_POTL_CRTX_LLAEP_P300_PK	2::24728
Pattern EvokedPotential, Unspecified Ear, CochlearNerve PeripheralNervousSystem	ECoG unspecified waveform		ECoG waveform, unspecified	MDC_EVOK_POTL_EAR_COCHL	2::24736
Pattern EvokedPotential, CochlearMicrophonic Ear, CochlearNerve PeripheralNervousSystem	ECoG waveform cochlear microphonic		ECoG waveform, cochlear microphonic	MDC_EVOK_POTL_EAR_COCHL_MICROPHONIC	2::24744
Pattern EvokedPotential, SummatingPotential Ear, CochlearNerve PeripheralNervousSystem	ECoG waveform summating potential		ECoG waveform, summating potential	MDC_EVOK_POTL_EAR_COCHL_SUM_POTL	2::24752

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern EvokedPotential, NerveActionPotential Ear, CochlearNerve PeripheralNervousSystem	ECoG waveform Nerve action potential		ECoG waveform, nerve action potential peak	MDC_EVOK_POTL_EAR_COCHL_NAP	2::24760
Pattern EvokedPotential, CochlearMicroSummatingPotential Ear, CochlearNerve PeripheralNervousSystem	ECoG waveform cochlear microsummating potential		ECoG waveform, cochlear microsummating potential	MDC_EVOK_POTL_EAR_COCHL_MICRO_SUM_POTL	2::24768
Pattern EvokedPotential, SummatingPotentialNerveActionPotential Ear, CochlearNerve PeripheralNervousSystem	ECoG waveform summating nerve action potential		ECoG waveform, summating potential nerve action potential	MDC_EVOK_POTL_EAR_COCHL_SUM_POTL_NAP	2::24776
Pattern EvokedPotential, CochlearMicroNerveActionPotential Ear, CochlearNerve PeripheralNervousSystem	ECoG waveform cochlear micronerve action potential		ECoG waveform, cochlear micronerve action potential	MDC_EVOK_POTL_EAR_COCHL_MICRO_NAP	2::24784
Pattern EvokedPotential, Unspecified Eye, Retina PeripheralNervousSystem	ERG unspecified waveform		ERG waveform, unspecified	MDC_EVOK_POTL_EYE_RETINA	2::24792
Pattern EvokedPotential, EarlyReceptorPotential Eye, Retina PeripheralNervousSystem	ERG waveform early receptor potential		ERG waveform, early receptor potential	MDC_EVOK_POTL_EYE_RETINA_RECEP_POTL_EARLY	2::24800
Pattern EvokedPotential, A_Wave Eye, Retina PeripheralNervousSystem	ERG waveform A wave		ERG waveform, A wave	MDC_EVOK_POTL_EYE_RETINA_WW_A	2::24808
Pattern EvokedPotential, B_Wave Eye, Retina PeripheralNervousSystem	ERG waveform B wave		ERG waveform, B wave	MDC_EVOK_POTL_EYE_RETINA_WW_B	2::24816
Pattern EvokedPotential, C_Wave Eye, Retina PeripheralNervousSystem	ERG waveform C wave		ERG waveform, C wave	MDC_EVOK_POTL_EYE_RETINA_WW_C	2::24824
Pattern EvokedPotential, Unspecified Cortex, Patterned_VEP CNS	Patterned VEP unspecified waveform		Patterned VEP waveform, unspecified	MDC_EVOK_POTL_CRTX_PATT_VEP	2::24832
Pattern EvokedPotential, P50_Peak Cortex, Patterned_VEP CNS	Patterned VEP waveform P50 peak		Patterned VEP waveform, P50 peak	MDC_EVOK_POTL_CRTX_PATT_VEP_P50_PK	2::24840

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern EvokedPotential, N75_Peak Cortex, Patterned_VEP CNS	Patterned VEP waveform N75 peak		Patterned VEP waveform, N75 peak	MDC_EVOK_POTL_CRTX _PATT_VEP_N75_PK	2::24848
Pattern EvokedPotential, P100_Peak Cortex, Patterned_VEP CNS	Patterned VEP waveform P100 peak		Patterned VEP waveform, P100 peak	MDC_EVOK_POTL_CRTX _PATT_VEP_P100_PK	2::24856
Pattern EvokedPotential, N145_Peak Cortex, Patterned_VEP CNS	Patterned VEP waveform N145 peak		Patterned VEP waveform, N145 peak	MDC_EVOK_POTL_CRTX _PATT_VEP_P145_PK	2::24864
Pattern EvokedPotential, P175_Peak Cortex, Patterned_VEP CNS	Patterned VEP waveform P175 peak		Patterned VEP waveform, P175 peak	MDC_EVOK_POTL_CRTX _PATT_VEP_P175_PK	2::24872
Pattern EvokedPotential, P300_Peak Cortex, Patterned_VEP CNS	Patterned VEP waveform P300 peak		Patterned VEP waveform, P300 peak	MDC_EVOK_POTL_CRTX _PATT_VEP_P300_PK	2::24880
Pattern EvokedPotential, Unspecified Cortex, Diffuse_Light_VEP CNS	Diffuse light VEP unspecified waveform		Patterned VEP waveform, unspecified	MDC_EVOK_POTL_CRTX _DIFFUSE_LT_VEP	2::24888
Pattern EvokedPotential, N1_Peak Cortex, Diffuse_Light_VEP CNS	Diffuse light VEP waveform N1 peak		Patterned VEP waveform, N1 peak	MDC_EVOK_POTL_CRTX _DIFFUSE_LT_VEP_N1_P _K	2::24896
Pattern EvokedPotential, P1_Peak Cortex, Diffuse_Light_VEP CNS	Diffuse light VEP waveform P1 peak		Patterned VEP waveform, P1 peak	MDC_EVOK_POTL_CRTX _DIFFUSE_LT_VEP_P1_P _K	2::24904
Pattern EvokedPotential, N2_Peak Cortex, Diffuse_Light_VEP CNS	Diffuse light VEP waveform N2 peak		Patterned VEP waveform, N2 peak	MDC_EVOK_POTL_CRTX _DIFFUSE_LT_VEP_N2_P _K	2::24912
Pattern EvokedPotential, P2_Peak Cortex, Diffuse_Light_VEP CNS	Diffuse light VEP waveform P2 peak		Patterned VEP waveform, P2 peak	MDC_EVOK_POTL_CRTX _DIFFUSE_LT_VEP_P2_P _K	2::24920
Pattern EvokedPotential, N3_Peak Cortex, Diffuse_Light_VEP CNS	Diffuse light VEP waveform N3 peak		Patterned VEP waveform, N3 peak	MDC_EVOK_POTL_CRTX _DIFFUSE_LT_VEP_N3_P _K	2::24928
Pattern EvokedPotential, P3_Peak Cortex, Diffuse_Light_VEP CNS	Diffuse light VEP waveform P3 peak		Patterned VEP waveform, P3 peak	MDC_EVOK_POTL_CRTX _DIFFUSE_LT_VEP_P3_P _K	2::24936

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern EvokedPotential, Unspecified Nerve, Cortex, MedianusOrUlnarisSEP CNS, PeripheralNervousSystem	Medianus or ulnaris SEP unspecified waveform		Medianus or ulnaris SEP waveform, unspecified	MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP	2::24944
Pattern EvokedPotential, N9_Peak Nerve, Cortex, MedianusOrUlnarisSEP CNS, PeripheralNervousSystem	Medianus or ulnaris SEP N9 peak		Medianus or ulnaris SEP waveform, N9 peak	MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP_N9_PK	2::24952
Pattern EvokedPotential, N11_Peak Nerve, Cortex, MedianusOrUlnarisSEP CNS, PeripheralNervousSystem	Medianus or ulnaris SEP N11 peak		Medianus or ulnaris SEP waveform, N11 peak	MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP_N11_PK	2::24960
Pattern EvokedPotential, N13_Peak Nerve, Cortex, MedianusOrUlnarisSEP CNS, PeripheralNervousSystem	Medianus or ulnaris SEP N13 peak		Medianus or ulnaris SEP waveform, N13 peak	MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP_N13_PK	2::24968
Pattern EvokedPotential, N20_Peak Nerve, Cortex, MedianusOrUlnarisSEP CNS, PeripheralNervousSystem	Medianus or ulnaris SEP N20 peak		Medianus or ulnaris SEP waveform, N20 peak	MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP_N20_PK	2::24976
Pattern EvokedPotential, P30_Peak Nerve, Cortex, MedianusOrUlnarisSEP CNS, PeripheralNervousSystem	Medianus or ulnaris SEP P30 peak		Medianus or ulnaris SEP waveform, P30 peak	MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP_P30_PK	2::24984
Pattern EvokedPotential, P300_Peak Nerve, Cortex, MedianusOrUlnarisSEP CNS, PeripheralNervousSystem	Medianus or ulnaris SEP P300 peak		Medianus or ulnaris SEP waveform, P300 peak	MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP_P300_PK	2::24992
Pattern EvokedPotential, Unspecified Nerve, Cortex, PeroneusSEP CNS, PeripheralNervousSystem	Peroneus SEP waveform		Peroneus SEP waveform, unspecified	MDC_EVOK_POTL_NERV_CRTX_PER_SEP	2::25000
Pattern EvokedPotential, Lumbar_Peak Nerve, Cortex, PeroneusSEP CNS, PeripheralNervousSystem	Peroneus SEP lumbar peak		Peroneus SEP waveform, lumbar peak	MDC_EVOK_POTL_NERV_CRTX_PER_SEP_LUMB_AR_PK	2::25008
Pattern EvokedPotential, LowThoracic_Peak Nerve, Cortex, PeroneusSEP CNS, PeripheralNervousSystem	Peroneus SEP low thoracic peak		Peroneus SEP waveform, low thoracic peak	MDC_EVOK_POTL_NERV_CRTX_PER_SEP_LO_TH_OR_PK	2::25016

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern EvokedPotential, HighThoracic_Peak Nerve, Cortex, PeroneusSEP CNS, PeripheralNervousSystem	Peroneus SEP high thoracic peak		Peroneus SEP waveform, high thoracic peak	MDC_EVOK_POTL_NERV _CRTX_PER_SEP_HI_TH OR_PK	2::25024
Pattern EvokedPotential, P27_Peak Nerve, Cortex, PeroneusSEP CNS, PeripheralNervousSystem	Peroneus SEP P27 peak		Peroneus SEP waveform, P27 peak	MDC_EVOK_POTL_NERV _CRTX_PER_SEP_P27_P K	2::25032
Pattern EvokedPotential, N35_Peak Nerve, Cortex, PeroneusSEP CNS, PeripheralNervousSystem	Peroneus SEP N35 peak		Peroneus SEP waveform, N35 peak	MDC_EVOK_POTL_NERV _CRTX_PER_SEP_N35_P K	2::25040
Pattern EvokedPotential, P300_Peak Nerve, Cortex, PeroneusSEP CNS, PeripheralNervousSystem	Peroneus SEP P300 peak		Peroneus SEP waveform, P300 peak	MDC_EVOK_POTL_NERV _CRTX_PER_SEP_P300_ PK	2::25048
Pattern EvokedPotential, Unspecified Nerve, Cortex, TibialisSEP CNS, PeripheralNervousSystem	Tibialis SEP waveform		Tibialis SEP waveform, unspecified	MDC_EVOK_POTL_NERV _CRTX_TIB_SEP	2::25056
Pattern EvokedPotential, Popliteal_Peak Nerve, Cortex, TibialisSEP CNS, PeripheralNervousSystem	Tibialis SEP popliteal peak		Tibialis SEP waveform, popliteal peak	MDC_EVOK_POTL_NERV _CRTX_TIB_SEP_POPLIT _PK	2::25064
Pattern EvokedPotential, Lumbar_Peak Nerve, Cortex, TibialisSEP CNS, PeripheralNervousSystem	Tibialis SEP lumbar peak		Tibialis SEP waveform, lumbar peak	MDC_EVOK_POTL_NERV _CRTX_TIB_SEP_LUMBA R_PK	2::25072
Pattern EvokedPotential, Thoracic_Peak Nerve, Cortex, TibialisSEP CNS, PeripheralNervousSystem	Tibialis SEP thoracic peak		Tibialis SEP waveform, thoracic peak	MDC_EVOK_POTL_NERV _CRTX_TIB_SEP_THOR_ PK	2::25080
Pattern EvokedPotential, P37_Peak Nerve, Cortex, TibialisSEP CNS, PeripheralNervousSystem	Tibialis SEP P37 peak		Tibialis SEP waveform, P37 peak	MDC_EVOK_POTL_NERV _CRTX_TIB_SEP_P37_PK	2::25088
Pattern EvokedPotential, N45_Peak Nerve, Cortex, TibialisSEP CNS, PeripheralNervousSystem	Tibialis SEP N45 peak		Tibialis SEP waveform, N45 peak	MDC_EVOK_POTL_NERV _CRTX_TIB_SEP_N45_PK	2::25096

Table A.7.9.6.1—Nomenclature and codes for neurophysiologic enumerations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Pattern EvokedPotential, P300_Peak Nerve, Cortex, TibialisSEP CNS, PeripheralNervousSystem	Tibialis SEP P300 peak		Tibialis SEP waveform, P300 peak	MDC_EVOK_POTL_NERV_CRTX_TIB_SEP_P300_PK	2::25104
Pattern EvokedPotential, Unspecified Nerve, Cortex, OtherSEP CNS, PeripheralNervousSystem	Other SEP waveform		Other SEP waveform, unspecified	MDC_EVOK_POTL_NERV_CRTX_OTH_SEP	2::25112
Pattern EvokedPotential, Peak_I Nerve, Cortex, OtherSEP CNS, PeripheralNervousSystem	Other SEP Peak I		Other SEP waveform, Peak I	MDC_EVOK_POTL_NERV_CRTX_OTH_SEP_I_PK	2::25120
Pattern EvokedPotential, Peak_II Nerve, Cortex, OtherSEP CNS, PeripheralNervousSystem	Other SEP Peak II		Other SEP waveform, Peak II	MDC_EVOK_POTL_NERV_CRTX_OTH_SEP_II_PK	2::25128
Pattern EvokedPotential, Peak_III Nerve, Cortex, OtherSEP CNS, PeripheralNervousSystem	Other SEP Peak III		Other SEP waveform, Peak III	MDC_EVOK_POTL_NERV_CRTX_OTH_SEP_III_PK	2::25136
Pattern EvokedPotential, Peak_IV Nerve, Cortex, OtherSEP CNS, PeripheralNervousSystem	Other SEP Peak IV		Other SEP waveform, Peak IV	MDC_EVOK_POTL_NERV_CRTX_OTH_SEP_IV_PK	2::25144
Pattern EvokedPotential, Peak_V Nerve, Cortex, OtherSEP CNS, PeripheralNervousSystem	Other SEP Peak V		Other SEP waveform, Peak V	MDC_EVOK_POTL_NERV_CRTX_OTH_SEP_V_PK	2::25152
Pattern EvokedPotential, P300_Peak Nerve, Cortex, OtherSEP CNS, PeripheralNervousSystem	Other SEP P300 peak		Other SEP waveform, P300 peak	MDC_EVOK_POTL_NERV_CRTX_OTH_SEP_P300_PK	2::25160

A.7.10 Nomenclature, data dictionary, and codes for stimulation modes**A.7.10.1 Introduction**

Subclause A.7.10 presents a nomenclature for enumeration of stimulator devices used in neurophysiologic monitoring of evoked potentials and EMG measurements. A stimulus for acoustic evoked potential, for example, is described by the stimulus type, e.g., Click; the initial pressure change, e.g., Rarefaction; and the ear to which the stimulus is presented, e.g., LeftEar. A masking noise is presented to the contralateral ear normally. In most cases, four parameters are necessary to describe a visual stimulus. They are visual stimulus type, e.g., PatternReversal; pattern type, e.g., Checkerboard; visual field, e.g., Half; and eye to which the stimulus is presented, e.g., LeftEye.

A.7.10.2 Base concepts

Two base concepts are applicable:

- **Side** (the side, e.g., ear or eye, to which a stimulus is applied)
- **Type** (the type of stimulus used in a measurement)

A.7.10.3 First set of differentiating criteria

The second field of the systematic name refers to the measurement features.

A.7.10.3.1 Semantic link "*concerns*:"

Applicable descriptors include the following:

- **MaskingNoise**
- **Pattern**
- **Stimulus**
- **VisualField**

Descriptors for the sensory organ to which the stimulus is presented are as follows:

- **BothEars**
- **BothEyes**
- **LeftEar**
- **LeftEye**
- **RightEar**
- **RightEye**

A.7.10.3.2 Semantic link "*has acoustic stimulus type*:"

Descriptors for the type of acoustic stimulus are as follows:

- **Click**
- **FilteredClick**
- **GatedSine**
- **Pip**

A.7.10.3.3 Semantic link "has pressure type:"

Descriptors for the initial change in pressure in an acoustic stimulus are as follows:

- Alternating
- Condensation
- Rarefaction

A.7.10.3.4 Semantic link "has visual stimulus type:"

Descriptors for the change of intensity of the stimulus are as follows:

- Flash
- PatternReversal
- Sinusoidally

A.7.10.3.5 Semantic link "has visual pattern type:"

Descriptors for the type of pattern used for visual stimulation are as follows:

- Bar
- CheckerBoard
- Complex
- DartBoard
- SineWave
- Windmill

A.7.10.3.6 Semantic link "has visual field type:"

Descriptors for how much of the visual field is influenced by the stimulus are as follows:

- Full
- Half
- Quadrant

A.7.10.3.7 Semantic link "has direction:"

Descriptors for the orientation of the stimulating pattern are as follows:

- Horizontally
- Vertically

A.7.10.3.8 Semantic link "has somatosensory stimulus type:"

Descriptors for the type of stimulus used for somatosensory stimulation are as follows:

- CurrentLimited
- Electrical
- NonElectrical
- Temperature

- **Vibration**
- **Voltage**

A.7.10.3.9 Semantic link "has transcranial stimulus type:"

Descriptors for the way the motoric cortex is stimulated are as follows:

- **HighVoltage**
- **MagneticField**

A.7.10.3.10 Semantic link "has position:"

Descriptors for where the stimulus is applied are as follows:

- **Bilateral**
- **Bottom**
- **Left**
- **Right**
- **Top**
- **Unilateral**

A.7.10.4 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement.

A.7.10.4.1 Semantic link "concerns:"

Descriptors for the peripheral or centrally located part of the nervous system to which the stimulus is applied are applicable, as follows.

- **Cochlea**
- **MotoricCortex**
- **Retina**
- **SensoryNerve**

A.7.10.5 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organic system for which the term is relevant.

A.7.10.5.1 Semantic link "pertains to:"

The following descriptor is used for a measurement that pertains to the CNS:

- **CNS**

A.7.10.6 Code table

See Table A.7.10.6.1 for the nomenclature and codes for neurophysiologic stimulation modes.

Table A.7.10.6.1—Nomenclature and codes for neurophysiologic stimulation modes (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Type Stimulus, Click Cochlea CNS	Click		Click type stimulus during acoustic evoked potential measurements, short square pulse to ear phone	MDC_STIM_CLICK	2::53504
Type Stimulus, FilteredClick Cochlea CNS	Filtered click		Filtered click type stimulus during acoustic evoked potential measurements	MDC_STIM_CLICK_FILTER	2::53505
Type Stimulus, Pip Cochlea CNS	Pip		Pip type stimulus during acoustic evoked potential measurements, sinus wave with defined increase, plateau and decrease	MDC_STIM_PIP	2::53506
Type Stimulus, GatedSine Cochlea CNS	Gated sine wave		Gated sine type stimulus during acoustic evoked potential measurements, sinus wave switched on for a defined number of cycles	MDC_STIM_SINUSOID_GATE	2::53507
Side Stimulus, LeftEar Cochlea CNS	Left ear		Target of stimulus during acoustic evoked potential measurement: left ear	MDC_STIM_EAR_LEFT	2::53508
Side Stimulus, RightEar Cochlea CNS	Right ear		Target of stimulus during acoustic evoked potential measurement: right ear	MDC_STIM_EAR_RIGHT	2::53509
Side Stimulus, BothEars Cochlea CNS	Both ears		Target of stimulus during acoustic evoked potential measurement: both ears	MDC_STIM_EAR_BOTH	2::53510
Type MaskingNoise, LeftEar Cochlea CNS	AEP masking, noise, left ear		Masking noise, white noise, presented to contralateral ear to mask out stimulus conducted by bone during acoustic evoked potential measurement: presented to left ear	MDC_STIM_EAR_MASK_AEP_LEFT	2::53511
Type MaskingNoise, RightEar Cochlea CNS	AEP masking, noise, right ear		Masking noise, white noise, presented to contralateral ear to mask out stimulus conducted by bone during acoustic evoked potential measurement: presented to right ear	MDC_STIM_EAR_MASK_AEP_RIGHT	2::53512
Type MaskingNoise, BothEars Cochlea CNS	AEP masking, noise, both ears		Masking noise, white noise, presented to contralateral ear to mask out stimulus conducted by bone during acoustic evoked potential measurement: presented to both ears	MDC_STIM_EAR_MASK_AEP_BOTH	2::53513
Type Stimulus, Rarefaction Cochlea CNS	Rarefaction		Polarity of click stimulus presented to the ear during acoustic evoked potential measurement: rarefaction	MDC_STIM_RAREFAC	2::53514
Type Stimulus, Condensation Cochlea CNS	Condensation		Polarity of click stimulus presented to the ear during acoustic evoked potential measurement: condensation	MDC_STIM_CONDENS	2::53515
Type Stimulus, Alternating Cochlea CNS	Alternating		Polarity of click stimulus presented to the ear during acoustic evoked potential measurement: alternating	MDC_STIM_ALTERN	2::53516
Type VisualField, NOS Retina CNS	VEP visual field, unspecified		Target area of stimulus in visual field during VEP measurement: not specified	MDC_STIM_VIS_FLD	2::53517
Type VisualField, Full Retina CNS	Full field stimulation		Target area of stimulus in visual field during VEP measurement: full visual field	MDC_STIM_VIS_FLD_FULL	2::53518

Table A.7.10.6.1—Nomenclature and codes for neurophysiologic stimulation modes (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Type VisualField, Left, Half Retina CNS	Left half field stimulation		Target area of stimulus in visual field during VEP measurement: left half of visual field	MDC_STIM_VIS_FLD_HAL_F_L	2::53519
Type VisualField, Right, Half Retina CNS	Right half field stimulation		Target area of stimulus in visual field during VEP measurement: right half of visual field	MDC_STIM_VIS_FLD_HAL_F_R	2::53520
Type VisualField, Top, Half Retina CNS	Top half field stimulation		Target area of stimulus in visual field during VEP measurement: top half of visual field	MDC_STIM_VIS_FLD_HAL_F_TOP	2::53521
Type VisualField, Bottom, Half Retina CNS	Bottom half field stimulation		Target area of stimulus in visual field during VEP measurement: bottom half of visual field	MDC_STIM_VIS_FLD_HAL_F_BOT	2::53522
Type VisualField, Left, Top, Quadrant Retina CNS	Left top quadrant field stimulation		Target area of stimulus in visual field during VEP measurement: left top quadrant of visual field	MDC_STIM_VIS_FLD_TO_P_QUAD_L	2::53523
Type VisualField, Right, Top, Quadrant Retina CNS	Right top quadrant field stimulation		Target area of stimulus in visual field during VEP measurement: right top quadrant of visual field	MDC_STIM_VIS_FLD_TO_P_QUAD_R	2::53524
Type VisualField, Left, Bottom, Quadrant Retina CNS	Left bottom quadrant field stimulation		Target area of stimulus in visual field during VEP measurement: left bottom quadrant of visual field	MDC_STIM_VIS_FLD_BO_T_QUAD_L	2::53525
Type VisualField, Right, Bottom, Quadrant Retina CNS	Right bottom quadrant field stimulation		Target area of stimulus in visual field during VEP measurement: right bottom of visual field	MDC_STIM_VIS_FLD_BO_T_QUAD_R	2::53526
Type Pattern, NOS Retina CNS	VEP pattern, unspecified		Pattern type used for stimulation of retina during VEP measurement: unspecified	MDC_STIM_PATT_VEP	2::53527
Type Pattern, CheckerBoard Retina CNS	Checkerboard		Pattern type used for stimulation of retina during VEP measurement: checkerboard	MDC_STIM_PATT_CHKRB_RD	2::53528
Type Pattern, Bar, Horizontally Retina CNS	Horizontally oriented bar		Pattern type used for stimulation of retina during VEP measurement: horizontally oriented bar	MDC_STIM_PATT_BAR_H_ORIZ	2::53529
Type Pattern, Bar, Vertically Retina CNS	Vertically oriented bar		Pattern type used for stimulation of retina during VEP measurement: vertically oriented bar	MDC_STIM_PATT_BAR_V_ERT	2::53530
Type Pattern, SineWave, Horizontally Retina CNS	Horizontally oriented sine wave		Pattern type used for stimulation of retina during VEP measurement: horizontally oriented sine wave	MDC_STIM_PATT_SINUS_OID_HORIZ	2::53531
Type Pattern, SineWave, Vertically Retina CNS	Vertically oriented sine wave		Pattern type used for stimulation of retina during VEP measurement: vertically oriented sine wave	MDC_STIM_PATT_SINUS_OID_VERT	2::53532
Type Pattern, Windmill Retina CNS	Windmill		Pattern type used for stimulation of retina during VEP measurement: windmill	MDC_STIM_PATT_WINDM_ILL	2::53533
Type Pattern, DartBoard Retina CNS	Dartboard		Pattern type used for stimulation of retina during VEP measurement: dartboard	MDC_STIM_PATT_DARTB_RD	2::53534
Type Pattern, Complex Retina CNS	Complex pattern		Pattern type used for stimulation of retina during VEP measurement: complex pattern not otherwise specified	MDC_STIM_PATT_CMPLX	2::53535

Table A.7.10.6.1—Nomenclature and codes for neurophysiologic stimulation modes (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Type Stimulus, NOS Retina CNS	VEP stimulus type, unspecified		Type of change in pattern used for stimulation of retina during VEP measurement: unspecified stimulus type	MDC_STIM_VEP	2::53536
Type Stimulus, PatternReversal Retina CNS	Pattern reversal		Type of change in pattern used for stimulation of retina during VEP measurement: pattern reversal	MDC_STIM_PATT_REVER SAL	2::53537
Type Stimulus, Sinusoidally Retina CNS	Sinusoidally stimulus		Type of change in pattern used for stimulation of retina during VEP measurement: sinusoidally	MDC_STIM_SINUSOID	2::53538
Type Stimulus, Flash Retina CNS	Flash stimulus		Type of stimulus used for stimulation of retina during VEP measurement: flash, rapid change in brightness without pattern	MDC_STIM_FLASH	2::53539
Side Stimulus, LeftEye Retina CNS	Left eye		Side of stimulation during VEP measurement: left eye	MDC_STIM_EYE_LEFT	2::53540
Side Stimulus, RightEye Retina CNS	Right eye		Side of stimulation during VEP measurement: right eye	MDC_STIM_EYE_RIGHT	2::53541
Side Stimulus, BothEyes Retina CNS	Both eyes		Side of stimulation during VEP measurement: both eyes	MDC_STIM_EYE_BOTH	2::53542
Type Stimulus, Electrical, NOS Nerve CNS	Electrical SEP stimulus		Type of electrical stimulus during SEP measurement: not specified	MDC_STIM_SEP_ELEC	2::53543
Type Stimulus, Electrical, CurrentLimited Nerve CNS	Current limited electrical SEP stimulus		Type of electrical stimulus during SEP measurement: current limited pulse	MDC_STIM_SEP_CURR_L IMITED	2::53544
Type Stimulus, Electrical, Voltage SensoryNerve CNS	Defined voltage type electrical SEP stimulus		Type of electrical stimulus during SEP measurement: constant voltage pulse	MDC_STIM_SEP_ELEC_V OLTAGE_DEF	2::53545
Type Stimulus, NonElectrical, NOS SensoryNerve CNS	Non electrical SEP stimulus		Type of non electrical stimulus during SEP measurement: not specified	MDC_STIM_SEP_NON_EL EC	2::53546
Type Stimulus, NonElectrical, Vibration SensoryNerve CNS	Vibration type SEP stimulus		Type of non electrical stimulus during SEP measurement: vibration of mechanical stimulator	MDC_STIM_SEP_VIB	2::53547
Type Stimulus, NonElectrical, Temperature SensoryNerve CNS	Temperature type SEP stimulus		Type of nonelectrical stimulus during SEP measurement: change of temperature of stimulator	MDC_STIM_SEP_TEMP	2::53548
Side Stimulus, Unilateral, Left SensoryNerve CNS	Left unilateral		Side of stimulation during SEP measurement: unilateral left	MDC_STIM_UNILAT_L	2::53549
Side Stimulus, Unilateral, Right SensoryNerve CNS	Right unilateral		Side of stimulation during SEP measurement: unilateral right	MDC_STIM_UNILAT_R	2::53550

Table A.7.10.6.1—Nomenclature and codes for neurophysiologic stimulation modes (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Side Stimulus, Bilateral SensoryNerve CNS	Bilateral		Side of stimulation during SEP measurement: bilateral	MDC_STIM_BILAT	2::53551
Type Stimulus, MagneticField MotoricCortex CNS	Magnetic type MEP Stimulus		Type of stimulus used during motoric evoked potential measurement: magnetic field by condenser discharge to coil	MDC_STIM_MEP_MAG	2::53552
Type Stimulus, HighVoltage MotoricCortex CNS	High voltage type MEP stimulus		Type of stimulus used during motoric evoked potential measurement: high-voltage pulse applied outside skull	MDC_STIM_MEP_HI_VOL T	2::53553

A.7.11 Nomenclature, data dictionary, and codes for miscellaneous measurements**A.7.11.1 Introduction**

Subclause A.7.11 presents a nomenclature for miscellaneous medical terms in vital signs monitoring. The purpose of this nomenclature is to support unique identification of medical data in communication. The terms are used in the Metric object of the DIM to identify the actual data.

A.7.11.2 Base concepts

Physical properties are used as base concepts. There is also a relation to the vital signs devices nomenclature (see Table A.5.1) where “Measures or affects physical property” is the second semantic link. The following base concepts are used:

- Area
- Ballistocardiogram
- Concentration
- DeviceStatus
- ElectricalPotential
- Flow
- Length
- MagneticField
- Mass
- Pressure
- Temperature
- Tocogram

A.7.11.3 First set of differentiating criteria

This field holds the measurement features. More than one descriptor is possible. They specify the measurement.

A.7.11.3.1 Semantic link "*is computed as*:"

Descriptors for the value calculated from different temperature measurements are as follows:

- Difference
- Mean

A.7.11.3.2 Semantic link "*pertains*:"

Applicable descriptors are as follows:

- Acid

A.7.11.3.3 Semantic link "*has origin*:"

Descriptors for the type of filtered signal derived from balistographic measurement are as follows:

- Breathing
- Cardiaccycle
- Movement

The descriptor for specifying the channel of magnetic field measurement, which is manufacturer-specific, is as follows:

- **Site**

A.7.11.3.4 Semantic link "*has specification*:"

The descriptor to define a value is an actual measurement or computation (e.g., patient mass, patient high, BSA) is as follows:

- **Actual**

A.7.11.4 Second set of differentiating criteria

This field describes the target of measurement. More than one descriptor is possible. It holds information about body compartments, body parts, or body functions.

A.7.11.4.1 Semantic link "*concerns*:"

The following descriptors exist:

- **Blood**
- **BodySurface** (the area of patient body surface)
- **Core** (a site of temperature measurements)
- **Ear**
- **Esophagus**
- **Finger**
- **Gastric**
- **Oral** (the target from a compartment or body part view)
- **PeripheralVessels**
- **Rectal** (the target from a compartment or body part view)
- **Surface** (a site of temperature measurements)
- **Toe**

A.7.11.5 Third set of differentiating criteria

The fourth field holds information about the context, i.e., the functional or organic system for which the term is relevant.

A.7.11.5.1 Semantic link "*pertains to*:"

The following descriptors are used:

- **Body**
- **GastrointestinalSystem**
- **Heart**
- **Obstetrics**

A.7.11.6 Code tables

See Table A.7.11.6.1 for the nomenclature and codes for miscellaneous measurements and Table A.7.11.6.2 for the nomenclature and codes for temperature.

Table A.7.11.6.1—Nomenclature and codes for miscellaneous measurements

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Area Actual BodySurface Body	Patient body surface area		The actual body surface area of the patient, calculated from patient actual weight and patient actual length	MDC_AREA_BODY_SURF_ACTUAL	2::57672
Ballistocardiogram Body	Ballisto-cardiogram	BCG	Ballistocardiogram, raw signal	MDC_BCG_SIG_BODY	2::57440
Ballistocardiogram Breathing Body	Breathing	BCG-R	Breathing obtained from the Ballistocardiogram	MDC_BCG_BREATHING	2::57444
Ballistocardiogram Cardiac cycle Body	Cardiac cycle	BCG-C	Cardiac cycle waveform obtained from the ballistocardiogram	MDC_BCG_CARD_CYC	2::57448
Ballistocardiogram Movement Body	Movement	BCG-M	Gross movement obtained from the ballistocardiogram	MDC_BCG_MVMT	2::57452
Concentration Acid Esophagus GastrointestinalSystem	Esophageal pH	PH	Esophageal acid concentration (e.g., measured on-line by a telemetry system)	MDC_CONC_ESOPH_ACID	2::57396
Concentration Acid Gastric GastrointestinalSystem	Gastric pH	PH	Gastric acid concentration (e.g., measured on-line by a telemetry system)	MDC_CONC_GASTRIC_ACID	2::57392
ElectricalPotential Gastric GastrointestinalSystem	Electrogastrogram	EGG	Electrical activities of the stomach muscle	MDC_EGG_ELEC_POTL_GI	2::57456
Flow PeripheralVessels, Blood Body	Blood flow, Doppler		Doppler blood flow waveform	MDC_FLOW_BLD_DOPPLER	2::57600
Length Actual Body	Patient actual height		The actual height of the patient, especially for neonates, babies, and children during long-term therapy	MDC_LEN_BODY_ACTUAL	2::57668
MagneticField <Site 128> Heart	Magnetocardiogram	MCG	Magnetic field measured for the heart (comment: because of lack of standardized lead systems, the leads are enumerated and the manufacturer system must be specified)	MDC_MCG_MAGFLD	2::57472
Pressure Gastric GastrointestinalSystem	Gastric pressure	P _{gastric}	Gastric pressure waveform	MDC_PRESS_GI	2::57408
Tocogram Obstetrics	Tocogram		Tocogram	MDC_ETG_OBST	2::57632
Pressure PartialPressure, pCO ₂ Skin, surface	Transcutaneous pCO ₂	T _{cpCO₂}	Indirect measurement of pCO ₂ partial pressure on the surface of the skin.	MDC_CO ₂ _TCUT	2::20684
Pressure PartialPressure, pO ₂ Skin, surface	Transcutaneous pO ₂	T _{cpO₂}	Indirect measurement of pO ₂ partial pressure on the surface of the skin.	MDC_O ₂ _TCUT	2::20688
Status Device	Device status		Device status	MDC_DEV_STAT	2::53260

Table A.7.11.6.2—Nomenclature and codes for temperature (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Power Transcutaneous probe Heater	Transcutaneous probe heater power		Transcutaneous sensor heater power	MDC_POWER_TCUT	2::57416
Temperature Transcutaneous probe Sensor	Transcutaneous probe temperature		Transcutaneous sensor temperature	MDC_TEMP_TCUT	2::57420
Temperature Body	General temperature	T	General temperature	MDC_TEMP	2::19272
Temperature Foley Body	Foley temperature	T	Foley temperature	MDC_TEMP_FOLEY	2::19276
Temperature Artery Body	Artery temperature	T	Artery temperature	MDC_TEMP_ART	2::19280
Temperature Airway Body	Airway temperature	T	Airway temperature	MDC_TEMP_AWAY	2::19284
Temperature Body Body	Body temperature	T	Body temperature	MDC_TEMP_BODY	2::19292
Temperature Core Body	Core temperature	T	Core temperature	MDC_TEMP_CORE	2::19296
Temperature Esophagus Body	Esophagus temperature	T	Esophagus temperature	MDC_TEMP_ESOPH	2::19300
Temperature Nasopharynx Body	Nasopharynx temperature	T	Nasopharynx temperature	MDC_TEMP_NASOPH	2::19308
Temperature Skin Body	Skin temperature	T	Skin temperature	MDC_TEMP_SKIN	2::19316
Setting Temperature Skin Body	Setting Skin temperature	T	Skin temperature setting	MDC_TEMP_SKIN_SETT NG	258::19316
Temperature Tympanic Body	Tympanic temperature	T	Tympanic temperature	MDC_TEMP_TYMP	2::19320
Temperature Venous Body	Venous temperature	T	Venous temperature	MDC_TEMP_VEN	2::19324
Temperature Blood Body	Blood temperature	T	Blood temperature	MDC_TEMP_BLD	2::57364
Temperature Ear Body	Ear temperature	T	Ear temperature	MDC_TEMP_EAR	2::57356
Temperature Finger Body	Finger temperature	T	Finger temperature	MDC_TEMP_FINGER	2::57360
Temperature Oral Body	Oral temperature	T	Oral temperature	MDC_TEMP_ORAL	2::57352
Temperature Rectal Body	Rectal temperature	T	Rectal temperature	MDC_TEMP_RECT	2::57348

Table A.7.11.6.2—Nomenclature and codes for temperature (multiple table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Temperature Difference Core, Surface Body	Temperature difference	Tdiff	Difference between two temperatures, usually core temperature and peripheral temperature	MDC_TEMP_DIFF	2::57368
Temperature Surface Body	Body surface temperature	T	Surface temperature measured at a location on body surface	MDC_TEMP_SURF	2::57372
Temperature Mean Surface Body	Mean surface temperature	T	Mean value of temperature measurements on defined body surface locations	MDC_TEMP_SURF_MEAN	2::57375
Temperature Toe Body	Toe surface temperature	T	Surface temperature measured at toe (reflects blood circulation)	MDC_TEMP_TOE	2::57376
Temperature Myocardial Heart, CVS Body	Myocardial temperature	T	Myocardial temperature	MDC_TEMP_MYO	2::57428
Temperature Nasal Body	Nasal temperature	T	Nasal temperature	MDC_TEMP_NASAL	2::57432
Temperature Room Ambient	Room temperature	T	Room temperature	MDC_TEMP_ROOM	2::57436

A.7.11.7 Deprecated terms for temperature

Certain terms for temperature measurements have been deprecated. These are listed in Table A.7.11.7.1.

Table A.7.11.7.1—Deprecated nomenclature for temperature

Systematic name	Common term	Acronym	Description/Definition/Use	RefId	Part::Code
Temperature Axillary Body	Axillary temperature		Use MDC_TEMP_AXILLA (57380)	MDC_TEMP_AXIL	2::57424

A.7.11.8 Body weight and surface area

The RefId suffixes ‘_TBW’, ‘_IBW’, ‘_ABW’, and ‘_BSA’ may be applied to select base RefIds to indicate observations that are normalized to actual and estimated patient body weight and patient body surface area. The RefId suffixes are listed in Table A.7.11.8.1.

Table A.7.11.8.1—Body weight and surface area for pre-coordinated RefIds

RefId suffixes	Description	Units	Formula
_TBW _PER_TBW	Total Body Weight (actual measured)	kg, g, [lb_av]	Actual measured
_IBW _PER_IBW	Ideal Body Weight = Predicted Body Weight	kg, g, [lb_av]	Devine (1974)
_ABW _PER_ABW	Adjusted Body Weight	kg, g, [lb_av]	Various
_BSA _PER_BSA	Body Surface Area	m ²	

A.7.11.9 Code table

See Table A.7.11.9.1 for the nomenclature and codes for body mass.

Table A.7.11.9.1—Nomenclature and codes for body mass (weight) and estimates

Systematic name	Common term	Acronym	Description/Definition	Refld	Part::Code
Mass Actual Body	Patient actual weight		The measurement of the mass of patient, e.g., by a scale in bed, e.g., during therapy	MDC_MASS_BODY_ACTU AL	2::57664
Mass Actual Body, last taken	Last Taken Weight		Last Taken Weight	MDC_ATTR_PT_WEIGHT_ LAST	2::57720
Mass Estimated Body, Ideal	Ideal Body Weight, Predicted Body Weight	IBW, PBW	Ideal body weight (IBW), an estimate based solely on patient height using the Devine Formula (1974): <i>Male (in kg): 50.0 + 2.3 kg per inch over 5 feet</i> <i>Female (in kg): 45.5 + 2.3 kg per inch over 5 feet</i> The Devine formula can be re-expressed using other units-of-measure. Also called the Predicted Body Weight.	MDC_MASS_BODY_EST_I BW	2::57724
Mass Estimated Body, Adjusted	Adjusted Body Weight	ABW	Adjusted Body Weight, an estimate based on the IBW and following rule: <i>If the actual body weight is greater than 30% of the calculated IBW (all in kg), the adjusted body weight (ABW) estimate is</i> $ABW = IBW + 0.4 \text{ (actual weight - IBW)}$	MDC_MASS_BODY_EST_ ABW	2::57728

A.7.12 Nomenclature and code extensions for infant incubator and warmer microenvironments**A.7.12.1 Code table**

See Table A.7.12.1.1 for nomenclature and codes for infant incubator and warmer microenvironments.

Table A.7.12.1.1—Nomenclature and code extensions for infant incubator and warmer microenvironments (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Concentration PartialPressure Oxygen, Gas Incubator, Microenvironment	Oxygen Reading		The oxygen concentration inside the incubator micro-environment.	MDC_CONC_O2_MICROE_NV	2::53216
Concentration Setting PartialPressure Oxygen, Gas Incubator, Microenvironment	Oxygen concentration setting		The setting of oxygen concentration inside the incubator micro-environment.	MDC_CONC_O2_MICROE_NV_SETTING	258::53216
Fan speed Air curtain Airflow Incubator	Fan Speed		The speed of the fan that controls the airflow in an infant incubator, such as low or high.	MDC_MICROENV_FAN_SPEED	2::53269
Humidity, Relative Compartment Incubator, Microenvironment	Measured Relative Humidity		Measured relative humidity inside the infant incubator.	MDC_REL_HUMIDITY_MICROENV	2::53220
Humidity, Relative Setting Compartment Incubator, Microenvironment	Relative Humidity setting		Relative humidity setting inside the infant incubator.	MDC_REL_HUMIDITY_MICROENV_SETTING	258::53220
Mode Temperature Control Incubator or Warmer, Microenvironment	Temperature Control Mode		Specifies the manner in which the temperature of an infant incubator or radiant warmer is controlled. For closed beds (incubators) the temperature is controlled based on patient sensor or air temperature. For open beds (open incubator or warmer) the temperature is controlled based on patient sensor or manually set temperature.	MDC_MICROENV_HEATER_CNTRL_MODE	2::53268
Power, Relative Heater Incubator or Warmer, Microenvironment	Heater Power		The heater power is the percentage of power (or actual power in watts) necessary to maintain the set temperature of the incubator or warmer.	MDC_MICROENV_HEATER_APPLIED_PWR	2::53228
Resistance Temperature-related Heat Sink, Heater Incubator, Microenvironment	Incubator heater heat sink temperature sensor resistance		Incubator heater heat sink and fin assembly temperature sensor resistance.	MDC_MICROENV_HEATER_HEAT_SINK_RESIST	2::53232

Table A.7.12.1.1—Nomenclature and code extensions for infant incubator and warmer microenvironments (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Status, Operational Air curtain Airflow Incubator, Microenvironment	Air Curtain Status		The air curtain on an incubator is a specially designed airflow to reduce temperature fluctuation and maintain the temperature inside the incubator when its access doors are opened. The air curtain state indicates whether the air curtain is on, off or has been disabled by the user.	MDC_MICROENV_AIR_CURTAIN_STATE	2::53267
Status, Bed State, open or closed Incubator, Microenvironment	Bed State		The bed state indicates whether the infant's incubator is closed, partially open or open, i.e., the top of the incubator is raised.	MDC_MICROENV_BED_STATE	2::53266
Temperature Compartment Incubator, Microenvironment	Compartment Probe Temperature		Compartment probe (incubator air) temperature.	MDC_TEMP_MICROENV	2::53224
Temperature Setting Compartment Incubator, Microenvironment	Compartment Temperature Setting		Compartment (incubator air) temperature setting.	MDC_TEMP_MICROENV_SETTING	258::53224
Temperature Heat Sink, Heater Incubator, Microenvironment	Incubator heater heat sink temperature		Incubator heater heat sink and fin assembly temperature.	MDC_MICROENV_HEATER_HEAT_SINK_TEMP	2::53236
Type Heater Incubator or Warmer, Microenvironment	Incubator heater type		Incubator or warmer heater currently being used. This may include radiant, convective or none (no heat).	MDC_MICROENV_HEATER_TYPE	2::53265
Type Bed Incubator or Warmer, Microenvironment	Microenvironment Bed Type		The type of bed used for an infant in the neonatal intensive care unit of newborn nursery. A radiant warmer is an open bed, an incubator is a closed bed, and an incubator that can serve as a radiant warmer is a combination bed.	MDC_MICROENV_TYPE	2::53264

A.7.13 Nomenclature, data dictionary, and codes for spirometry

A.7.13.1 Introduction

Subclause A.7.6 presents a nomenclature for the systematic names for spirometry measurements.

A.7.13.2 Base concepts

The base concepts are physical properties. The following descriptors are applicable:

- **Flow**
- **Volume**
- **Duration**
- **Ratio**

A.7.13.3 First set of differentiating criteria

The second field of the systematic name refers to the measurement features. More than one semantic link and one descriptor are possible.

A.7.13.3.1 Semantic link "*type*:"

Applicable descriptors are as follows:

- **None** (an observed value)
- **Predicted**

A.7.13.3.2 Semantic link "*has direction*:"

Applicable descriptors are as follows:

- **Expiration**
- **Inspiration**

A.7.13.3.3 Semantic link "*of form*"

Applicable descriptors are as follows:

- **Maximum**
- **Mean**
- **Vital capacity**
- **Forced**
- **Tidal**
- **Time instant**

A.7.13.4 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement. In this case, parts of the pumping system are possible as well as the fluid and drug applied to the patient.

A.7.13.4.1 Semantic link "*concerns:*"

The only descriptor is

- Gas

A.7.13.5 Third set of differentiating criteria

The fourth field holds the information about the form of the procedure.

A.7.13.5.1 Semantic link "*procedure used:*"

Applicable descriptors are as follows:

- Maximal Forced Expiration
- Maximal Forced Inspiration

A.7.13.6 Code table

See Table A.7.13.6.1 for the nomenclature and codes for spirometry measurements.

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Table A.7.13.6.1—Nomenclature and codes for spirometry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Duration Expiration, expiratory time Gas Maximal Forced Expiration		FET	Forced expiratory time	MDC_VOL_AWAY_EXP_FORCED_TIME	2::57944
Duration Predicted Expiration, expiratory time Gas Maximal Forced Expiration		FET	Forced expiratory time	MDC_VOL_AWAY_EXP_FORCED_TIME_PRED	514::57944
Duration Expiration, Mean, 25%_75% Gas Maximal Forced Expiration		MET25-75	Mean Expiratory Time at 25%-75%	MDC_VOL_AWAY_EXP_25_75_TIME	2::58048
Duration Predicted Expiration, Mean, 25%_75% Gas Maximal Forced Expiration		MET25-75	Mean Expiratory Time at 25%-75%	MDC_VOL_AWAY_EXP_25_75_TIME_PRED	514::58048
Duration Expiration, Peak Gas Maximal Forced Expiration		TPEF	Time to peak expiratory flow	MDC_FLOW_AWAY_EXP_PEAK_TIME	2::58052
Duration Predicted Expiration, Peak Gas Maximal Forced Expiration		TPEF	Time to peak expiratory flow	MDC_FLOW_AWAY_EXP_PEAK_TIME_PRED	514::58052
Duration Expiration, Tidal Gas Maximal Forced Expiration		Tex	Tidal breathing expiration time (Tex)	MDC_VOL_AWAY_EXP_TIDAL_TIME	2::58016
Duration Predicted Expiration, Tidal Gas Maximal Forced Expiration		Tex	Tidal breathing expiration time (Tex)	MDC_VOL_AWAY_EXP_TIDAL_TIME_PRED	514::58016
Duration Inspiration, Tidal Gas Maximal Forced Inspiration		Tin	Tidal breathing inspiration time (Tin)	MDC_VOL_AWAY_INSP_TIDAL_TIME	2::58020
Duration Predicted Inspiration, Tidal Gas Maximal Forced Inspiration		Tin	Tidal breathing inspiration time (Tin)	MDC_VOL_AWAY_INSP_TIDAL_TIME_PRED	514::58020
Factor BTPS Gas Measurement		BTPS	Adjusted temperature-pressure-saturated factor	MDC_AWAY_BTPS	2::57952
Flow Expiration, 25%FVC Gas Maximal Forced Expiration		FEF25	Forced expiratory flow at 25% of FVC	MDC_FLOW_AWAY_EXP_FORCED_25_FVC	2::57892
Flow Predicted Expiration, 25%FVC Gas Maximal Forced Expiration		FEF25	Forced expiratory flow at 25% of FVC	MDC_FLOW_AWAY_EXP_FORCED_25_FVC_PRED	514::57892
Flow Expiration, 50%FVC Gas Maximal Forced Expiration		FEF50	Forced expiratory flow at 50% of FVC	MDC_FLOW_AWAY_EXP_FORCED_50_FVC	2::57896

Table A.7.13.6.1—Nomenclature and codes for spirometry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Flow Predicted Expiration, 50%FVC Gas Maximal Forced Expiration		FEF50	Forced expiratory flow at 50% of FVC	MDC_FLOW_AWAY_EXP_FO RCED_50_FVC_PRED	514::57896
Flow Expiration, 75%FVC Gas Maximal Forced Expiration		FEF75	Forced expiratory flow at 75% of FVC	MDC_FLOW_AWAY_EXP_FO RCED_75_FVC	2::57900
Flow Predicted Expiration, 75%FVC Gas Maximal Forced Expiration		FEF75	Forced expiratory flow at 75% of FVC	MDC_FLOW_AWAY_EXP_FO RCED_75_FVC_PRED	514::57900
Flow Expiration, Maximum Gas Maximal Forced Expiration		MEF	Maximal expiratory flow	MDC_FLOW_AWAY_EXP_FO RCED_MAX	2::57996
Flow Predicted Expiration, Maximum Gas Maximal Forced Expiration		MEF	Maximal expiratory flow	MDC_FLOW_AWAY_EXP_FO RCED_MAX_PRED	514::57996
Flow Expiration, Maximum, 25%, 75% Gas Maximal Forced Expiration		FEF25-75	Forced expiratory flow mean 25 to 75% of FVC	MDC_FLOW_AWAY_EXP_FO RCED_25_75_FVC	2::57888
Flow Predicted Expiration, Maximum, 25%, 75% Gas Maximal Forced Expiration		FEF25-75	Forced expiratory flow mean 25 to 75% of FVC	MDC_FLOW_AWAY_EXP_FO RCED_25_75_FVC_PRED	514::57888
Flow Expiration, Mean tidal Gas Maximal Forced Expiration		VT/TI	Mean tidal flow	MDC_FLOW_AWAY_EXP_TI DAL_MEAN	2::58056
Flow Predicted Expiration, Mean tidal Gas Maximal Forced Expiration		VT/TI	Mean tidal flow	MDC_FLOW_AWAY_EXP_TI DAL_MEAN_PRED	514::58056
Flow Expiration, Mean, 0.2L, 1.2L Gas Maximal Forced Expiration		FEF0.2-1.2	Forced expiratory flow mean 0.2L to 1.2L	MDC_FLOW_AWAY_EXP_FO RCED_0_2L_1_2L	2::58008
Flow Predicted Expiration, Mean, 0.2L, 1.2L Gas Maximal Forced Expiration		FEF0.2-1.2	Forced expiratory flow mean 0.2L to 1.2L	MDC_FLOW_AWAY_EXP_FO RCED_0_2L_1_2L_PRED	514::58008
Flow Expiration, Mean, 25%, 50%, FVC Gas Maximal Forced Expiration		FEF25-50	Forced expiratory flow mean 25 to 50% of FVC	MDC_FLOW_AWAY_EXP_FO RCED_25_50	2::58000
Flow Predicted Expiration, Mean, 25%, 50%, FVC Gas Maximal Forced Expiration		FEF25-50	Forced expiratory flow mean 25 to 50% of FVC	MDC_FLOW_AWAY_EXP_FO RCED_25_50_PRED	514::58000

Table A.7.13.6.1—Nomenclature and codes for spirometry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Flow Expiration, Mean, 75%_85%, FVC Gas Maximal Forced Expiration		FEF75-85	Forced expiratory flow mean 75 to 85% of FVC	MDC_FLOW_AWAY_EXP_FO RCED_75_85	2::58004
Flow Predicted Expiration, Mean, 75%_85%, FVC Gas Maximal Forced Expiration		FEF75-85	Forced expiratory flow mean 75 to 85% of FVC	MDC_FLOW_AWAY_EXP_FO RCED_75_85_PRED	514::58004
Flow Expiration, Mean, 85%, FVC Gas Maximal Forced Expiration		FEF85	Forced expiratory flow at 85% of FVC	MDC_FLOW_AWAY_EXP_FO RCED_85	2::58012
Flow Predicted Expiration, Mean, 85%, FVC Gas Maximal Forced Expiration		FEF85	Forced expiratory flow at 85% of FVC	MDC_FLOW_AWAY_EXP_FO RCED_85_PRED	514::58012
Flow Inspiration, 25%FIV Gas Maximal Forced Inspiration		FIF25	Forced inspiratory flow at 25% of FIV	MDC_FLOW_AWAY_INSP_F ORCED_25	2::57916
Flow Predicted Inspiration, 25%FIV Gas Maximal Forced Inspiration		FIF25	Forced inspiratory flow at 25% of FIV	MDC_FLOW_AWAY_INSP_F ORCED_25_PRED	514::57916
Flow Inspiration, 50%FIV Gas Maximal Forced Inspiration		FIF50	Forced inspiratory flow at 50% of FIV	MDC_FLOW_AWAY_INSP_F ORCED_50	2::57920
Flow Predicted Inspiration, 50%FIV Gas Maximal Forced Inspiration		FIF50	Forced inspiratory flow at 50% of FIV	MDC_FLOW_AWAY_INSP_F ORCED_50_PRED	514::57920
Flow Inspiration, 75%FIV Gas Maximal Forced Inspiration		FIF75	Forced inspiratory flow at 75% of FIV	MDC_FLOW_AWAY_INSP_F ORCED_75	2::57924
Flow Predicted Inspiration, 75%FIV Gas Maximal Forced Inspiration		FIF75	Forced inspiratory flow at 75% of FIV	MDC_FLOW_AWAY_INSP_F ORCED_75_PRED	514::57924
Flow Inspiration, Maximum Gas Maximal Forced Inspiration		PIF	Peak inspiratory flow	MDC_FLOW_AWAY_INSP_F ORCED_PEAK	2::57904
Flow Predicted Inspiration, Maximum Gas Maximal Forced Inspiration		PIF	Peak inspiratory flow	MDC_FLOW_AWAY_INSP_F ORCED_PEAK_PRED	514::57904
Flow Inspiration, Mean, 25%_50%, FIV Gas Maximal Forced Inspiration		FIF2550	Forced inspiratory flow mean 25 to 50% of FIV	MDC_FLOW_AWAY_INSP_F ORCED_25_50	2::58028

Table A.7.13.6.1—Nomenclature and codes for spirometry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Flow Predicted Inspiration, Mean, 25%_50%, FIV Gas Maximal Forced Inspiration		FIF2550	Forced inspiratory flow mean 25 to 50% of FIV	MDC_FLOW_AWAY_INSP_F ORCED_25_50_PRED	514::58028
Flow Inspiration, Mean, 25%_75%, FIV Gas Maximal Forced Inspiration		FIF2575	Forced inspiratory flow mean 25 to 75% of FIV	MDC_FLOW_AWAY_INSP_F ORCED_25_75	2::58032
Flow Predicted Inspiration, Mean, 25%_75%, FIV Gas Maximal Forced Inspiration		FIF2575	Forced inspiratory flow mean 25 to 75% of FIV	MDC_FLOW_AWAY_INSP_F ORCED_25_75_PRED	514::58032
Ratio Expiration tidal time, Inspiration tidal time Gas Maximal Forced Expiration		TinTex	Ratio of Tin/Tex	MDC_RATIO_AWAY_TIN_TE X	2::58024
Ratio Predicted Expiration tidal time, Inspiration tidal time Gas Maximal Forced Expiration		TinTex	Ratio of Tin/Tex	MDC_RATIO_AWAY_TIN_TE X_PRED	514::58024
Ratio Expiration, Maximum, 2s/FVC Gas Maximal Forced Expiration		FEV2/FV C	Ratio forced expiratory volume Ratio after 2 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_2S_FVC	2::57980
Ratio Predicted Expiration, Maximum, 2s/FVC Gas Maximal Forced Expiration		FEV2/FV C	Ratio forced expiratory volume Ratio after 2 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_2S_FVC_PRED	514::57980
Ratio Expiration, Maximum, 3s/FVC Gas Maximal Forced Expiration		FEV3/FV C	Ratio forced expiratory volume Ratio after 3 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_3S_FVC	2::57984
Ratio Predicted Expiration, Maximum, 3s/FVC Gas Maximal Forced Expiration		FEV3/FV C	Ratio forced expiratory volume Ratio after 3 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_3S_FVC_PRED	514::57984
Ratio Expiration, Maximum, 5s/FVC Gas Maximal Forced Expiration		FEV5/FV C	Ratio forced expiratory volume Ratio after 5 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_5S_FVC	2::57988
Ratio Predicted Expiration, Maximum, 5s/FVC Gas Maximal Forced Expiration		FEV5/FV C	Ratio forced expiratory volume Ratio after 5 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_5S_FVC_PRED	514::57988
Ratio Expiration, Maximum, 6s/FVC Gas Maximal Forced Expiration		FEV6/FV C	Ratio forced expiratory volume Ratio after 6 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_6S_FVC	2::57992

Table A.7.13.6.1—Nomenclature and codes for spirometry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Ratio Predicted Expiration, Maximum, 6s/FVC Gas Maximal Forced Expiration		FEV6/FV C	Ratio forced expiratory volume Ratio after 6 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_6S_FVC_PRED	514::57992
Ratio Expiration, volume, maximum, 0.5s/FVC Gas Maximal Forced Expiration		FEV0.5/F VC	Ratio forced expiratory volume, Ratio after 0.5 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_0_5S_FVC	2::57880
Ratio Predicted Expiration, volume, maximum, 0.5s/FVC Gas Maximal Forced Expiration		FEV0.5/F VC	Ratio forced expiratory volume, Ratio after 0.5 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_0_5S_FVC_PRED	514::57880
Ratio Expiration, volume, maximum, 0.75s/FVC Gas Maximal Forced Expiration		FEV0.75/ FVC	Ratio forced expiratory volume, Ratio after 0.5 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_0_75S_FVC	2::57884
Ratio Predicted Expiration, volume, maximum, 0.75s/FVC Gas Maximal Forced Expiration		FEV0.75/ FVC	Ratio forced expiratory volume, Ratio after 0.5 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_0_75S_FVC_PRED	514::57884
Ratio Expiration, volume, maximum, 1s/FVC Gas Maximal Forced Expiration		FEV1/FV C	Ratio forced expiratory volume, Ratio after 1 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_1S_FVC	2::57876
Ratio Predicted Expiration, volume, maximum, 1s/FVC Gas Maximal Forced Expiration		FEV1/FV C	Ratio forced expiratory volume, Ratio after 1 sec/FVC	MDC_RATIO_AWAY_EXP_F ORCED_1S_FVC_PRED	514::57876
Ratio Expiration, volume, maximum, FEV1/FEV6 Gas Maximal Forced Expiration		FEV1/FE V6	Ratio forced expiratory volume, Ratio FEV1/FEV6	MDC_RATIO_AWAY_EXP_F ORCED_FEV1_FEV6	2::57864
Ratio Predicted Expiration, volume, maximum, FEV1/FEV6 Gas Maximal Forced Expiration		FEV1/FE V6	Ratio forced expiratory volume, Ratio FEV1/FEV6	MDC_RATIO_AWAY_EXP_F ORCED_FEV1_FEV6_PRED	514::57864
Ratio Inspiration, Maximum, 1s/FVC Gas Maximal Forced Inspiration		FIV1%	Ratio forced inspiratory volume Ratio after 1 sec/FVC	MDC_RATIO_AWAY_INSP_F ORCED_1S_FVC	2::58036
Ratio Predicted Inspiration, Maximum, 1s/FVC Gas Maximal Forced Inspiration		FIV1%	Ratio forced inspiratory volume Ratio after 1 sec/FVC	MDC_RATIO_AWAY_INSP_F ORCED_1S_FVC_PRED	514::58036
Volume Expiration, extrapolated Gas Maximal Forced Expiration		EVOL, Vext	Extrapolated volume	MDC_VOL_AWAY_EXTRAP	2::57948

Table A.7.13.6.1—Nomenclature and codes for spirometry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Volume Predicted Expiration, extrapolated Gas Maximal Forced Expiration		EVOL, Vext	Extrapolated volume	MDC_VOL_AWAY_EXP_FOR_PRED	514::57948
Volume Expiration, Maximum 0.5s Gas Maximal Forced Expiration		FEV0.5	Forced expiratory volume after .5 sec	MDC_VOL_AWAY_EXP_FOR_CED_0_5S	2::57868
Volume Predicted Expiration, Maximum 0.5s Gas Maximal Forced Expiration		FEV0.5	Forced expiratory volume after .5 sec	MDC_VOL_AWAY_EXP_FOR_CED_0_5S_PRED	514::57868
Volume Expiration, Maximum 0.75s Gas Maximal Forced Expiration		FEV0.75	Forced expiratory volume after .75 sec	MDC_VOL_AWAY_EXP_FOR_CED_0_75S	2::57872
Volume Predicted Expiration, Maximum 0.75s Gas Maximal Forced Expiration		FEV0.75	Forced expiratory volume after .75 sec	MDC_VOL_AWAY_EXP_FOR_CED_0_75S_PRED	514::57872
Volume Expiration, Maximum, 2s Gas Maximal Forced Expiration		FEV2	Forced expiratory volume after 2 sec	MDC_VOL_AWAY_EXP_FOR_CED_2S	2::57968
Volume Predicted Expiration, Maximum, 2s Gas Maximal Forced Expiration		FEV2	Forced expiratory volume after 2 sec	MDC_VOL_AWAY_EXP_FOR_CED_2S_PRED	514::57968
Volume Expiration, Maximum, 3s Gas Maximal Forced Expiration		FEV3	Forced expiratory volume after 3 sec	MDC_VOL_AWAY_EXP_FOR_CED_3S	2::57972
Volume Predicted Expiration, Maximum, 3s Gas Maximal Forced Expiration		FEV3	Forced expiratory volume after 3 sec	MDC_VOL_AWAY_EXP_FOR_CED_3S_PRED	514::57972
Volume Expiration, Maximum, 5s Gas Maximal Forced Expiration		FEV5	Forced expiratory volume after 5 sec	MDC_VOL_AWAY_EXP_FOR_CED_5S	2::57976
Volume Predicted Expiration, Maximum, 5s Gas Maximal Forced Expiration		FEV5	Forced expiratory volume after 5 sec	MDC_VOL_AWAY_EXP_FOR_CED_5S_PRED	514::57976
Volume Expiration, reserve Gas Maximal Forced Expiration		ERV	Expiratory Reserve Volume	MDC_VOL_AWAY_EXP_RES_ERVE	2::57932

Table A.7.13.6.1—Nomenclature and codes for spirometry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Volume Predicted Expiration, reserve Gas Maximal Forced Expiration		ERV	Expiratory Reserve Volume	MDC_VOL_AWAY_EXP_RESERVE_PRED	514::57932
Volume Expiration, vital capacity Gas Maximal Forced Expiration		FVC	Forced vital capacity	MDC_VOL_AWAY_EXP_FORCED_CAPACITY	2::57856
Volume Predicted Expiration, vital capacity Gas Maximal Forced Expiration		FVC	Forced vital capacity	MDC_VOL_AWAY_EXP_FORCED_CAPACITY_PRED	514::57856
Volume Expiration, vital capacity Gas Slow Forced Expiration		EVC	Slow expiratory vital capacity measured from maximum in halation	MDC_VOL_AWAY_EXP_SLOW_CAPACITY	2::57964
Volume Predicted Expiration, vital capacity Gas Slow Forced Expiration		EVC	Slow expiratory vital capacity measured from maximum in halation	MDC_VOL_AWAY_EXP_SLOW_CAPACITY_PRED	514::57964
Volume Expiration, vital capacity, slow Gas Maximal Forced Expiration		SVC	Slow vital capacity	MDC_VOL_AWAY_SLOW_CAPACITY	2::57860
Volume Predicted Expiration, vital capacity, slow Gas Maximal Forced Expiration		SVC	Slow vital capacity	MDC_VOL_AWAY_SLOW_CAPACITY_PRED	514::57860
Volume Inspiration, inspiratory capacity Gas Slow Inspiration		IVC	Inspiratory vital capacity measured from maximum exhalation	MDC_VOL_AWAY_INSP_SLOW_CAPACITY	2::57940
Volume Predicted Inspiration, inspiratory capacity Gas Slow Inspiration		IVC	Inspiratory vital capacity measured from maximum exhalation	MDC_VOL_AWAY_INSP_SLOW_CAPACITY_PRED	514::57940
Volume Inspiration, inspiratory capacity Gas Slow Inspiration		IC	Inspiratory capacity measured from tidal volume	MDC_VOL_AWAY_INSP_CAPACITY	2::57928
Volume Predicted Inspiration, inspiratory capacity Gas Slow Inspiration		IC	Inspiratory capacity measured from tidal volume	MDC_VOL_AWAY_INSP_CAPACITY_PRED	514::57928
Volume Inspiration, Maximum 1s Gas Maximal Forced Inspiration		FIV1	Forced inspiratory volume after 1 sec	MDC_VOL_AWAY_INSP_FORCED_1S	2::57912
Volume Predicted Inspiration, Maximum 1s Gas Maximal Forced Inspiration		FIV1	Forced inspiratory volume after 1 sec	MDC_VOL_AWAY_INSP_FORCED_1S_PRED	514::57912

Table A.7.13.6.1—Nomenclature and codes for spirometry measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Volume Inspiration, reserve Gas Maximal Forced Inspiration		IRV	Inspiratory Reserve Volume	MDC_VOL_AWAY_INSP_RE SERVE	2::57936
Volume Predicted Inspiration, reserve Gas Maximal Forced Inspiration		IRV	Inspiratory Reserve Volume	MDC_VOL_AWAY_INSP_RE SERVE_PRED	514::57936
Volume Inspiration, vital capacity Gas Maximal Forced Inspiration		FIVC	Forced inspiratory vital capacity	MDC_VOL_AWAY_INSP_FO RCED_CAPACITY	2::57908
Volume Predicted Inspiration, vital capacity Gas Maximal Forced Inspiration		FIVC	Forced inspiratory vital capacity	MDC_VOL_AWAY_INSP_FO RCED_CAPACITY_PRED	514::57908
Volume Ventilation, Maximum, Voluntary, 12s Gas Maximal Forced Expiration		MVV12	Maximal voluntary ventilation, volume exhaled during fixed period of 12 seconds	MDC_VOL_AWAY_CAPACIT Y_VOLUNTARY_MAX_12S	2::58040
Volume Predicted Ventilation, Maximum, Voluntary, 12s Gas Maximal Forced Expiration		MVV12	Maximal voluntary ventilation, volume exhaled during fixed period of 12 seconds	MDC_VOL_AWAY_CAPACIT Y_VOLUNTARY_MAX_12S_P RED	514::58040
Volume Ventilation, Maximum, Voluntary, 15s Gas Maximal Forced Expiration		MVV15	Maximal voluntary ventilation, volume exhaled during fixed period of 15 seconds	MDC_VOL_AWAY_CAPACIT Y_VOLUNTARY_MAX_15S	2::58044
Volume Prediction Ventilation, Maximum, Voluntary, 15s Gas Maximal Forced Expiration		MVV15	Maximal voluntary ventilation, volume exhaled during fixed period of 15 seconds	MDC_VOL_AWAY_CAPACIT Y_VOLUNTARY_MAX_15S_P RED	514::58044

A.7.14 Nomenclature and code extensions for personal health devices**A.7.14.1 Code table**

See Table A.7.14.1.1 for nomenclature and codes for personal health devices.

Table A.7.14.1.1—Nomenclature and code extensions for personal health devices (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code	Ref
Concentration Total, Glucose CapillaryWholeBlood FluidChemistry	Capillary whole blood glucose		Whole blood glucose concentration taken from capillary.	MDC_CONC_GLU_CAPILLARY_WHOLEBLOOD	2::29112	10417
Concentration Total, Glucose CapillaryPlasma FluidChemistry	Capillary plasma glucose		Plasma glucose concentration taken from capillary.	MDC_CONC_GLU_CAPILLARY_PLASMA	2::29116	10417
Concentration Total, Glucose VenousWholeBlood FluidChemistry	Venous whole blood glucose		Whole blood glucose concentration taken from venous.	MDC_CONC_GLU_VENOUS_WHOLEBLOOD	2::29120	10417
Concentration Total, Glucose VenousPlasma FluidChemistry	Venous plasma glucose		Plasma glucose concentration taken from venous.	MDC_CONC_GLU_VENOUS_PLASMA	2::29124	10417
Concentration Total, Glucose ArterialWholeBlood FluidChemistry	Arterial whole blood glucose		Whole blood glucose concentration taken from arterial.	MDC_CONC_GLU_ARTERIAL_WHOLEBLOOD	2::29128	10417
Concentration Total, Glucose ArterialPlasma FluidChemistry	Arterial plasma glucose		Plasma glucose concentration taken from arterial.	MDC_CONC_GLU_ARTERIAL_PLASMA	2::29132	10417
Concentration Glucose InterstitialFluid FluidChemistry	Interstitial Fluid Glucose		Glucose concentration measurement indirectly derived from interstitial fluid.	MDC_CONC_GLU_ISF	2::29140	10417
Concentration Total, Glucose UndeterminedWholeBlood FluidChemistry	Undetermined whole blood glucose		Whole blood glucose concentration taken from undetermined sample source.	MDC_CONC_GLU_UNDETERMINED_WHOLEBLOOD	2::29292	10417
Concentration Total, Glucose UndeterminedPlasma FluidChemistry	Undetermined arterial plasma glucose		Plasma glucose concentration taken from undetermined sample source.	MDC_CONC_GLU_UNDETERMINED_PLASMA	2::29296	10417
Concentration Glucose ControlSolution FluidChemistry	Control Result		Glucose concentration measurement produced from control solution.	MDC_CONC_GLU_CONTR_OL	2::29136	10417
Concentration Glucose ControlSolution, low range FluidChemistry	Control Result, low range		Glucose concentration measurement produced from control solution, low range.	MDC_CONC_GLU_CONTR_OL_LEVEL_LOW	2::29300	10417
Concentration Glucose ControlSolution, medium range FluidChemistry	Control Result, medium range		Glucose concentration measurement produced from control solution, medium range.	MDC_CONC_GLU_CONTR_OL_LEVEL_MEDIUM	2::29304	10417

Table A.7.14.1.1—Nomenclature and code extensions for personal health devices (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code	Ref
Concentration Glucose ControlSolution, high range FluidChemistry	Control Result, high range		Glucose concentration measurement produced from control solution, high range.	MDC_CONC_GLU_CONTR_OL_LEVEL_HIGH	2::29308	10417
Concentration Glucose ControlSolution, undetermined range FluidChemistry	Control Result, undetermined range		Glucose concentration measurement produced from control solution, undetermined range.	MDC_CONC_GLU_CONTR_OL_LEVEL_UNDETERMINED	2::29312	10417
Concentration HbA1c Blood Chemistry	HbA1c		A1c or glycated hemoglobin concentration.	MDC_CONC_HBA1C	2::29148	10417
Control Coagulation Plasma Blood Chemistry	Control calibration of INR		Control Solution of INR monitor.	MDC_COAG_CONTROL	2::29204	10418
Duration Coagulation Plasma Blood Chemistry	Coagulation time – prothrombin time		The time taken for a clot to form on the addition of a thromboplastin to a sample of venous or capillary blood.	MDC_TIME_PD_COAG	2::29192	10418
Duration Coagulation Plasma Blood Chemistry	Coagulation time – prothrombin time		The time taken for a clot to form on the addition of a thromboplastin to a sample of plasma.	MDC_TIME_PD_PLASMA_COAG	2::28984	10418
Flow Expiration, Maximum Gas Maximal Forced Expiration	peak expiratory flow	PEF	Peak Expiratory Flow (PEF): maximum flow measured at the mouth during an expiration delivered with maximal force starting immediately after achieving maximum lung inflation.	MDC_FLOW_AWAY_EXP_FORCED_PEAK	2::21512	10421
Flow Predicted Expiration, Maximum Gas Maximal Forced Expiration	peak expiratory flow	PEF	Peak Expiratory Flow (PEF): maximum flow measured at the mouth during an expiration delivered with maximal force starting immediately after achieving maximum lung inflation.	MDC_FLOW_AWAY_EXP_FORCED_PEAK_PRED	514::21512	10421
Flow Expiration, Maximum of Maximum Gas Maximal Forced Expiration	Personal best		This value is determined by a healthcare professional or based on predicted average peak flow and is typically the highest peak condition. expiratory flow (PEF) reading an individual can obtain while in peak.	MDC_FLOW_AWAY_EXP_FORCED_PEAK_PB	2::21513	10421
Volume Expiration, Maximum, 1s Gas Maximal Forced Expiration	forced expiratory volume at 1s	FEV1	It is a measure of expiratory volume of a subject under forced conditions at 1 s, measured from time zero (time at which subject starts the expiration).	MDC_VOL_AWAY_EXP_FORCED_1S	2::21514	10421
Volume Predicted Expiration, Maximum, 1s Gas Maximal Forced Expiration	forced expiratory volume at 1s	FEV1	It is a measure of expiratory volume of a subject under forced conditions at 1 s, measured from time zero (time at which subject starts the expiration).	MDC_VOL_AWAY_EXP_FORCED_1S_PRED	514::21514	10421

Table A.7.14.1.1—Nomenclature and code extensions for personal health devices (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code	Ref
Volume Expiration, Maximum, 6s Gas Maximal Forced Expiration	forced expiratory volume at 6s	FEV6	It is a measure of expiratory volume of a subject under forced conditions at 6 s, measured from time zero (time at which subject starts the expiration).	MDC_VOL_AWAY_EXP_F ORCED_6S	2::21515	10421
Volume Predicted Expiration, Maximum, 6s Gas Maximal Forced Expiration	forced expiratory volume at 6s	FEV6	It is a measure of expiratory volume of a subject under forced conditions at 6 s, measured from time zero (time at which subject starts the expiration).	MDC_VOL_AWAY_EXP_F ORCED_6S_PRED	514::21515	10421
ISI Coagulation Plasma Blood Chemistry	International Sensitivity Index		Standardized calibration for a thromboplastin compared to the WHO standard.	MDC_ISI_COAG	2::29200	10418
Mass Actual fat free mass Body	fat free mass	FFM	The sum of the soft lean mass and mineral mass in the human body.	MDC_MASS_BODY_FAT_FREE	2::57684	10420
Mass Actual Soft lean mass Body	soft lean mass	SLM	The sum of the soft lean mass in the human body.	MDC_MASS_BODY_SOFT_LEAN	2::57688	10420
Metric Not specified	Metric enumeration not specified		MDC_METRIC_NOS may be used in a periodic enumeration to indicate no event has occurred within the period.	MDC_METRIC_NOS	2::61439	10404
ModalityEnumeration Measurement response time, fast ArterialBlood FluidChemistry, Pulse Oximetry	SpO2 fast response		The modality of fast-response SpO2 measurement. Rate of sampling of peripheral oxygen saturation by device.	MDC_MODALITY_FAST	2::19508	10404
ModalityEnumeration Measurement response time, slow ArterialBlood FluidChemistry, Pulse Oximetry	SpO2 slow response		The modality of slow-response SpO2 measurement. Rate of sampling of peripheral oxygen saturation by device.	MDC_MODALITY_SLOW	2::19512	10404
ModalityEnumeration Measurement response time, spot check ArterialBlood FluidChemistry, Pulse Oximetry	SpO2 spot check		The modality of spot-check SpO2 measurement. Peripheral oxygen saturation.	MDC_MODALITY_SPOT	2::19516	10404
PatternEvent Rhythm Artifact CVS	Pulse characteristic status		Object containing status flags representing several characteristics of the pulse event.	MDC_PULS_OXIM_PULS_CHAR	2::19533	10404
PatternEvent Rhythm Artifact, nominal CVS	Pulse characteristic status - nominal		Quality of the detected pulse is nominal, in that there are no recognized abnormalities in the detected pulse.	MDC_PULS_OXIM_PULS_CHAR_NOMINAL	2::19534	10404
PatternEvent Rhythm Artifact, marginal CVS	Pulse characteristic status - marginal		Perfusion or quality of the detected pulse is marginal.	MDC_PULS_OXIM_PULS_CHAR_MARGINAL	2::19535	10404
PatternEvent Rhythm Artifact, minimal CVS	Pulse characteristic status - minimal		Perfusion or quality of the detected pulse is minimal.	MDC_PULS_OXIM_PULS_CHAR_MINIMAL	2::19536	10404

Table A.7.14.1.1—Nomenclature and code extensions for personal health devices (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code	Ref
PatternEvent Rhythm Artifact unacceptable CVS	Pulse characteristic status - unacceptable		Perfusion or quality of the detected pulse is unacceptable.	MDC_PULS_OXIM_PULS_ CHAR_UNACCEPTABLE	2::19537	10404
PatternEvent Occurrence, Pulse Pulse Oximetry	SpO2 pulse		An enumeration that indicates that a pulsatile wave has occurred.	MDC_TRIG	2::53250	10404
PatternEvent Occurrence, Pulse Pulse Oximetry	SpO2 pulse		An enumeration that indicates that a pulsatile wave has occurred.	MDC_TRIG_BEAT	2::53251	10404
PatternEvent Occurrence, Pulse Pulse Oximetry	SpO2 precise pulse		An enumeration that indicates the maximal inrush of the pulsatile wave has occurred.	MDC_TRIG_BEAT_MAX_I NRUSH	2::53259	10404
Quick value Coagulation Plasma Blood Chemistry	Coagulation quick value		The measured prothrombin time is expressed in relation to the coagulation time of a healthy person, i.e., the "percentage of the standard value."	MDC_QUICK_VALUE_COA G	2::29196	10418
Ratio Coagulation Plasma Blood Chemistry	Coagulation ratio - INR		The globally recommended normalized unit for measuring prothrombin time.	MDC_RATIO_INR_COAG	2::29188	10418
Ratio Coagulation Plasma Blood Chemistry	Coagulation ratio for plasma		The ratio of plasma coagulation time compared to normal time.	MDC_RATIO_PLASMA_CO AG	2::28976	10418
Ratio Computation Body fat, Body weight Body	body fat		The individual's body fat in kilograms divided by the individual's weight in kilograms.	MDC_BODY_FAT	2::57676	20601
Ratio Computation Body mass, Body length Body	body mass index	BMI	The individual's body weight, in kilograms, divided by the square of height, in meters.	MDC_RATIO_MASS_BOD Y_LEN_SQ	2::57680	10415
Ratio Computation Body water, Body weight Body	body water		The individual's body water in kilograms divided by the individual's weight.	MDC_BODY_WATER	2::57692	10420
Status value FunctionalStatus Device	Pulse Oximeter Device Status		Object containing sensor or pulse oximeter- specific status flags.	MDC_PULS_OXIM_DEV_S TATUS	2::19532	10404
Temperature Axillary Body	Axillary (armpit) temperature		Axillary (armpit) temperature.	MDC_TEMP_AXILLA	2::57380	10408
Temperature GIT Body	Gastro-intestinal tract temperature		Gastro-intestinal tract temperature.	MDC_TEMP_GIT	2::57384	10408
Humidity, Relative Ambient, immediate patient environment	Ambient humidity		Ambient (immediate patient environment) relative humidity.	MDC_REL_HUMIDITY_AM BIENT	2::57732	
Level Pollen	Pollen level		Pollen level.	MDC_LEVEL_POLLEN	2::57736	
Level Dust	Dust level		Dust level.	MDC_LEVEL_DUST	2::57740	

A.7.14.2 Deprecated Reflds for personal health devices

Certain Reflds for personal health device measurements have been deprecated. These are listed in Table A.7.14.2.1.

Table A.7.14.2.1—Deprecated Reflds for personal health devices

Systematic name	Common term	Acronym	Description/Definition/Use	Refld	Part::Code
			Use MDC_VOL_AWAY_EXP_FORCED_6S (21515)	MDC_VOL_AWAY_EXP_FO RCED_EXP_6S	2::21515

A.8 Nomenclature, data dictionary, and codes for body sites (Partition 7)

A.8.1 Introduction

Clause A.8 contains nomenclature for body sites. Sites are grouped in to different tables. The lists in the tables include sites that are commonly used, but are not exhaustive. SNOMED coding is shown for reference and convenience except in Table A.8.4.6.1, which refers to the international 10–20 system, and Table A.8.5.6.1 for EOG sites. Individual codes may be used for sites other than the sites listed. Cross-referencing to SNOMED is advocated.

Table A.8.5.6.1 relating to electrode placement for EOG signal monitoring is accompanied by a short explanatory section (A.8.5.1.1) as no standard site descriptions are available for this topic.

The process for building the systematic name was somewhat different from the process usually used, especially for Table A.8.2.5.1 and Table A.8.3.5.1, relating to the sites near peripheral nerves and to the sites near or in muscles, respectively. Usually a description/definition is necessary to choose the descriptors for the systematic name. To find correct and unequivocal anatomical definitions is very difficult in this area. Internationally accepted terms are published in *Nomina Anatomica* [B20], approved by the International Congress of Anatomists at Mexico City, 1980. These terms are in Latin and accepted by physicians worldwide. These terms are included in the description/definition. They are in use in non-English-speaking countries. The systematic name is based on this Latin name, and the parts of this name are used as descriptors in the first differentiating criteria. The English term is also given in brackets [] in the description/definition, as well as the SNOMED code. The Systematized Nomenclature of Medicine, International Version (SNMI) [B21] code is available as <http://purl.bioontology.org/ontology/SNMI/T>. See the following example:

Example:

Description/Definition (Nomina Anatomica)	Nervi digitales palmares proprii
Description/Definition (SNOMED)	[Ulnar nerve, proper digital palmar nerves]
Table A.8.2.5.1 Description/Definition	Nervus ulnaris, Nervi digitales palmares proprii [Ulnar nerve, proper digital palmar nerves, T-X9177], not otherwise specified
SNOMED code:	T-X9177
Base concept	Nerve
Descriptors first differentiating criteria	Ulnaris, Digitales, Palmares, Proprii
Descriptors second differentiating criteria	Spinal, Cervical
Descriptors third differentiating criteria	Body
Systematic name	Nerve Ulnaris, Digitales, Palmares, Proprii Spinal, Cervical Body

The laterality, left or right is expressed in many cases by a separate code in SNOMED. In the systematic name, laterality is included as a descriptor in the first set of differentiating criteria.

A.8.2 Sites for neurophysiological signal monitoring: locations near peripheral nerves**A.8.2.1 Base concepts**

In this special case, only one descriptor is applicable:

- Nerve (the object of a measurement or stimulation)

A.8.2.2 First set of differentiating criteria

The second field of the systematic name refers to the measurement features. In this case, the descriptors are the parts of the Latin name in *Nomina Anatomica*. The following semantic links are applied to the first set of differentiating criteria. It is possible to have more than one semantic link and/or descriptor.

A.8.2.2.1 Semantic link "belongs to anatomic structure:"

Descriptors for head-related structures are as follows:

- Cochlearis
- Craniales
- Facialis
- Infraorbitalis
- Mandibularis
- Maxillaris
- Ophtalmicus
- Opticus
- Trochlearis
- Vestibulo
- Vestibularis

Descriptors for trunk-related structures are as follows:

- Axillaris
- Cervicales
- Dorsalis
- Iliohypogastricus
- Phrenicus
- Spinales
- Thoracicus

Descriptors for upper-extremity-related structures are as follows:

- Antebrachii
- Brachialis
- Ilio-Inguinalis
- Lumbales
- Lumbalis
- Lumbosacralis

- **Palmares**
- **Palmaris**
- **Radialis**
- **Ulnaris**

Descriptors for lower-extremity-related structures are as follows:

- **Femoralis**
- **Femoris**
- **Fibularis[Peroneus]**
- **Ischiadicus[Sciaticus]**
- **Plantaris**
- **Sacralis**
- **Suralis**
- **Tibialis**

The descriptor for finger-related and toe-related structures, i.e., to both upper and lower extremity, is as follows:

- **Digitales**

Descriptors for whole-body-related structures are as follows:

- **Cutaneus**
- **Musculocutaneus**

A.8.2.2.2 Semantic link "*has position:*"

Applicable descriptors include the following:

- **Glossopharyngeus**
- **Hypoglossus**
- **Lateralis**
- **Medialis**
- **Medianus**
- **Superficialis**
- **Supraorbitalis**
- **Subscapularis**

Descriptors for laterality are as follows:

- **Left**
- **Right**

A.8.2.2.3 Semantic link "*performs function:*"

Applicable descriptors are as follows:

- **Obturatororius**
- **Oculomotorius**

A.8.2.2.4 Semantic link "*has characteristics*:"

Applicable descriptors are as follows:

- **Abducens**
- **Accessorius**
- **Proprii**
- **Saphenus**
- **Trigeminus**
- **Vagus**

A.8.2.2.5 Semantic link "*has appearance*:"

Applicable descriptors are as follows:

- **Longus**
- **Plexus**

A.8.2.3 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement. The descriptors are derived from grouping in *Nomina Anatomica*, which is different from the grouping in SNOMED.

A.8.2.3.1 Semantic link "*concerns*:"

Applicable descriptors are as follows:

- **Cervical**
- **Cranial**
- **Lumbar**
- **Sacral**
- **Spinal**
- **Thoracic**

A.8.2.4 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organic system for which the term is relevant.

A.8.2.4.1 Semantic link "*pertains to*:"

There is only one descriptor:

- **Body**

A.8.2.5 Code table

See Table A.8.2.5.1 for the nomenclature and codes for sites for neurophysiological signal monitoring of locations near peripheral nerves.

**Table A.8.2.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near peripheral nerves** (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Nerve NOS Body			[Nerve, NOS, T-X9001]	MDC_NERV	7::4
Nerve Left Body			[Nerve, NOS, Left, T-X9001-LFT]	MDC_NERV_L	7::5
Nerve Right Body			[Nerve, NOS, Right, T-X9001-RGT]	MDC_NERV_R	7::6
Nerve NOS Cranial Body			NERVI CRANIALES [Cranial nerve, NOS, T-X8000]	MDC_NERV_CRAN	7::8
Nerve Left Cranial Body			NERVI CRANIALES, Left [Cranial nerve, NOS, Left, T-X8000-LFT]	MDC_NERV_CRAN_L	7::9
Nerve Right Cranial Body			NERVI CRANIALES, Right [Cranial nerve, NOS, Right, T-X8000-RGT]	MDC_NERV_CRAN_R	7::10
Nerve Opticus, NOS Cranial Body			NERVIUS OPTICUS (II) [Optic nerve, NOS, T-X8040]	MDC_NERV_CRAN_OPTI C	7::12
Nerve Opticus, Left Cranial Body			NERVIUS OPTICUS (II), Left [Optic nerve, NOS, Left, T-X8040-LFT]	MDC_NERV_CRAN_OPTI C_L	7::13
Nerve Opticus, Right Cranial Body			NERVIUS OPTICUS (II), Right [Optic nerve, NOS, Right, T-X8040-RGT]	MDC_NERV_CRAN_OPTI C_R	7::14
Nerve Oculomotorius, NOS Cranial Body			NERVIUS OCULOMOTORIUS (III) [Oculomotor nerve, NOS, T-X8070]	MDC_NERV_CRAN_OCU LUMOTOR	7::16
Nerve Oculomotorius, Left Cranial Body			NERVIUS OCULOMOTORIUS (III), Left [Oculomotor nerve, NOS, Left, T-X8070-LFT]	MDC_NERV_CRAN_OCU LUMOTOR_L	7::17
Nerve Oculomotorius, Right Cranial Body			NERVIUS OCULOMOTORIUS (III), Right [Oculomotor nerve, NOS, Right, T-X8070-RGT]	MDC_NERV_CRAN_OCU LUMOTOR_R	7::18
Nerve Trochlearis, NOS Cranial Body			NERVIUS TROCHLEARIS (IV) [Trochlear nerve, NOS, T-X8110]	MDC_NERV_CRAN_TRO CHLEAR	7::20
Nerve Trochlearis, Left Cranial Body			NERVIUS TROCHLEARIS (IV), Left [Trochlear nerve, NOS, Left, T-X8110-LFT]	MDC_NERV_CRAN_TRO CHLEAR_L	7::21
Nerve Trochlearis, Right Cranial Body			NERVIUS TROCHLEARIS (IV), Right [Trochlear nerve, NOS, Right, T-X8110-RGT]	MDC_NERV_CRAN_TRO CHLEAR_R	7::22
Nerve Trigeminus, NOS Cranial Body			NERVIUS TRIGEMINUS (V) [Trigeminal nerve, NOS, T-X8150]	MDC_NERV_CRAN_TRIG EMIN	7::24
Nerve Trigeminus, Left Cranial Body			NERVIUS TRIGEMINUS (V), Left [Trigeminal nerve, NOS, Left, T-X8150-LFT]	MDC_NERV_CRAN_TRIG EMIN_L	7::25
Nerve Trigeminus, Right Cranial Body			NERVIUS TRIGEMINUS (V), Right [Trigeminal nerve, NOS, Right, T-X8150-RGT]	MDC_NERV_CRAN_TRIG EMIN_R	7::26
Nerve Ophthalmicus, NOS Cranial Body			Nervus optalmicus [Ophthalmic nerve, NOS, T-X8210]	MDC_NERV_CRAN_OPH TALMIC	7::28

**Table A.8.2.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near peripheral nerves** (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Nerve Ophthalmicus, Left Cranial Body			Nervus ophthalmicus, Left [Ophthalmic nerve, NOS, Left, T-X8210-LFT]	MDC_NERV_CRAN_OPH_TALMIC_L	7::29
Nerve Ophthalmicus, Right Cranial Body			Nervus ophthalmicus, Right [Ophthalmic nerve, NOS, Right, T-X8210-RGT]	MDC_NERV_CRAN_OPH_TALMIC_R	7::30
Nerve Supraorbitalis, NOS Cranial Body			Nervus supraorbitalis [Supraorbital nerve, T-X8242]	MDC_NERV_CRAN_SUP_RAORBITAL	7::32
Nerve Supraorbitalis, Left Cranial Body			Nervus supraorbitalis, Left [Supraorbital nerve, Left, T-X8242-LFT]	MDC_NERV_CRAN_SUP_RAORBITAL_L	7::33
Nerve Supraorbitalis, Right Cranial Body			Nervus supraorbitalis, Right [Supraorbital nerve, Right, T-X8242-RGT]	MDC_NERV_CRAN_SUP_RAORBITAL_R	7::34
Nerve Maxillaris, NOS Cranial Body			Nervus maxillaris [Maxillary nerve, T-X8260]	MDC_NERV_CRAN_MAXI_LLAR	7::36
Nerve Maxillaris, Left Cranial Body			Nervus maxillaris, Left [Maxillary nerve, Left, T-X8260-LFT]	MDC_NERV_CRAN_MAXI_LLAR_L	7::37
Nerve Maxillaris, Right Cranial Body			Nervus maxillaris, Right [Maxillary nerve, Right, T-X8260-RGT]	MDC_NERV_CRAN_MAXI_LLAR_R	7::38
Nerve Infraorbitalis, NOS Cranial Body			Nervus infraorbitalis [Infraorbital nerve, T-X8320]	MDC_NERV_CRAN_INFR_AORBITAL	7::40
Nerve Infraorbitalis, Left Cranial Body			Nervus infraorbitalis, Left [Infraorbital nerve, Left, T-X8320-LFT]	MDC_NERV_CRAN_INFR_AORBITAL_L	7::41
Nerve Infraorbitalis, Right Cranial Body			Nervus infraorbitalis, Right [Infraorbital nerve, Right, T-X8320-RGT]	MDC_NERV_CRAN_INFR_AORBITAL_R	7::42
Nerve Mandibularis, NOS Cranial Body			Nervus mandibularis [Mandibular nerve, T-X8330]	MDC_NERV_CRAN_MAN_DIBULAR	7::44
Nerve Mandibularis, Left Cranial Body			Nervus mandibularis, Left [Mandibular nerve, Left, T-X8330-LFT]	MDC_NERV_CRAN_MAN_DIBULAR_L	7::45
Nerve Mandibularis, Right Cranial Body			Nervus mandibularis, Right [Mandibular nerve, Right, T-X8330-RGT]	MDC_NERV_CRAN_MAN_DIBULAR_R	7::46
Nerve Abducens, NOS Cranial Body			NERVUS ABDUCENS (VI) [Abducens nerve, NOS, T-X8130]	MDC_NERV_CRAN_ABD_UCENS	7::48
Nerve Abducens, Left Cranial Body			NERVUS ABDUCENS (VI), Left [Abducens nerve, NOS, Left, T-X8130-LFT]	MDC_NERV_CRAN_ABD_UCENS_L	7::49
Nerve Abducens, Right Cranial Body			NERVUS ABDUCENS (VI), Right [Abducens nerve, NOS, Right, T-X8130-RGT]	MDC_NERV_CRAN_ABD_UCENS_R	7::50
Nerve Facialis, NOS Cranial Body			NERVUS FACIALIS (VII) [Facial nerve, NOS, T-X8410]	MDC_NERV_CRAN_FACI_AL	7::52

**Table A.8.2.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near peripheral nerves** (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Nerve Facialis, Left Cranial Body			NERVUS FACIALIS (VII), Left [Facial nerve, NOS, Left, T-X8410-LFT]	MDC_NERV_CRAN_FACI AL_L	7::53
Nerve Facialis, Right Cranial Body			NERVUS FACIALIS (VII), Right [Facial nerve, NOS, Right, T-X8410-RGT]	MDC_NERV_CRAN_FACI AL_R	7::54
Nerve Vestibulo, Cochlearis, NOS Cranial Body			NERVUS VESTIBULOCOCHLEARIS (VIII) [Acoustic nerve, NOS, T-X8500]	MDC_NERV_CRAN_VES TIB_COCHL	7::56
Nerve Vestibulo, Cochlearis, Left Cranial Body			NERVUS VESTIBULOCOCHLEARIS (VIII), Left [Acoustic nerve, NOS, Left, T-X8500-LFT]	MDC_NERV_CRAN_VES TIB_COCHL_L	7::57
Nerve Vestibulo, Cochlearis, Right Cranial Body			NERVUS VESTIBULOCOCHLEARIS (VIII), Right [Acoustic nerve, NOS, Right, T-X8500-RGT]	MDC_NERV_CRAN_VES TIB_COCHL_R	7::58
Nerve Vestibularis, NOS Cranial Body			Nervus vestibularis [Vestibular nerve, T-X8550]	MDC_NERV_CRAN_VES TIB	7::60
Nerve Vestibularis, Left Cranial Body			Nervus vestibularis, Left [Vestibular nerve, Left, T-X8550-LFT]	MDC_NERV_CRAN_VES TIB_L	7::61
Nerve Vestibularis, Right Cranial Body			Nervus vestibularis, Right [Vestibular nerve, Right, T-X8550-RGT]	MDC_NERV_CRAN_VES TIB_R	7::62
Nerve Cochlearis, NOS Cranial Body			Nervus cochlearis [Cochlear nerve, T-X8530]	MDC_NERV_CRAN_COC HL	7::64
Nerve Cochlearis, Left Cranial Body			Nervus cochlearis, Left [Cochlear nerve, Left, T-X8530-LFT]	MDC_NERV_CRAN_COC HL_L	7::65
Nerve Cochlearis, Right Cranial Body			Nervus cochlearis, Right [Cochlear nerve, Right, T-X8530-RGT]	MDC_NERV_CRAN_COC HL_R	7::66
Nerve Glossopharyngeus, NOS Cranial Body			NERVUS GLOSSOPHARYNGEUS (IX) [Glossopharyngeal nerve, NOS, T-X8570]	MDC_NERV_CRAN_GLO SSOPHARYNG	7::68
Nerve Glossopharyngeus, Left Cranial Body			NERVUS GLOSSOPHARYNGEUS (IX), Left [Glossopharyngeal nerve, NOS, Left, T-X8570-LFT]	MDC_NERV_CRAN_GLO SSOPHARYNG_L	7::69
Nerve Glossopharyngeus, Right Cranial Body			NERVUS GLOSSOPHARYNGEUS (IX), Right [Glossopharyngeal nerve, NOS, Right, T-X8570-RGT]	MDC_NERV_CRAN_GLO SSOPHARYNG_R	7::70
Nerve Vagus, NOS Cranial Body			NERVUS VAGUS (X) [Vagus nerve, NOS, T-X8640]	MDC_NERV_CRAN_VAG US	7::72
Nerve Vagus, Left Cranial Body			NERVUS VAGUS (X), Left [Vagus nerve, NOS, Left, T-X8640-LFT]	MDC_NERV_CRAN_VAG US_L	7::73
Nerve Vagus, Right Cranial Body			NERVUS VAGUS (X), Right [Vagus nerve, NOS, Right, T-X8640-RGT]	MDC_NERV_CRAN_VAG US_R	7::74

**Table A.8.2.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near peripheral nerves** (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Nerve Accessorius, Radices, Craniales, NOS Cranial Body			Nervus accessorius (XI), Radices craniales [Accessory nerve, cranial portion, T-X8800]	MDC_NERV_CRAN_ACC ESS_CRAN_RADIC	7::76
Nerve Accessorius, Radices, Craniales, Left Cranial Body			Nervus accessorius (XI), Radices craniales, Left [Accessory nerve, cranial portion, Left, T-X8800-LFT]	MDC_NERV_CRAN_ACC ESS_CRAN_RADIC_L	7::77
Nerve Accessorius, Radices, Craniales, Right Cranial Body			Nervus accessorius (XI), Radices craniales, Right [Accessory nerve, cranial portion, Right, T-X8800-RGT]	MDC_NERV_CRAN_ACC ESS_CRAN_RADIC_R	7::78
Nerve Accessorius, Radices, Spinales, NOS Cranial Body			Nervus accessorius (XI), Radices spinales [Accessory nerve, spinal portion, T-X8810]	MDC_NERV_CRAN_ACC ESS_RADIC_SPINAL	7::80
Nerve Accessorius, Radices, Spinales, Left Cranial Body			Nervus accessorius (XI), Radices spinales, Left [Accessory nerve, spinal portion, Left, T-X8810-LFT]	MDC_NERV_CRAN_ACC ESS_RADIC_SPINAL_L	7::81
Nerve Accessorius, Radices, Spinales, Right Cranial Body			Nervus accessorius (XI), Radices spinales, Right [Accessory nerve, spinal portion, Right, T-X8810-RGT]	MDC_NERV_CRAN_ACC ESS_RADIC_SPINAL_R	7::82
Nerve Hypoglossus, NOS Cranial Body			NERVUS HYPOGLOSSUS (XII) [Hypoglossal nerve, NOS, T-X8820]	MDC_NERV_CRAN_HYP OGLOSS	7::84
Nerve Hypoglossus, Left Cranial Body			NERVUS HYPOGLOSSUS (XII), Left [Hypoglossal nerve, NOS, Left, T-X8820-LFT]	MDC_NERV_CRAN_HYP OGLOSS_L	7::85
Nerve Hypoglossus, Right Cranial Body			NERVUS HYPOGLOSSUS (XII), Right [Hypoglossal nerve, NOS, Right, T-X8820-RGT]	MDC_NERV_CRAN_HYP OGLOSS_R	7::86
Nerve NOS Spinal Body			NERVI SPINALES [Spinal nerve, NOS T-X9000]	MDC_NERV_SPIN	7::88
Nerve Left Spinal Body			NERVI SPINALES, Left [Spinal nerve, NOS, Left, T-X9000-LFT]	MDC_NERV_SPIN_L	7::89
Nerve Right Spinal Body			NERVI SPINALES, Right [Spinal nerve, NOS, Right, T-X9000-RGT]	MDC_NERV_SPIN_R	7::90
Nerve Cervicales, NOS Spinal, Cervical Body			NERVI CERVICALES [Cervical nerve, NOS, T-X9031]	MDC_NERV_SPIN_CERV IC	7::92
Nerve Cervicales, Left Spinal, Cervical Body			NERVI CERVICALES, Left [Cervical nerve, NOS, Left, T-X9031-LFT]	MDC_NERV_SPIN_CERV IC_L	7::93
Nerve Cervicales, Right Spinal, Cervical Body			NERVI CERVICALES, Right [Cervical nerve, NOS, Right, T-X9031-RGT]	MDC_NERV_SPIN_CERV IC_R	7::94
Nerve Phrenicus, NOS Spinal, Cervical Body			Nervus phrenicus [Phrenic nerve, T-X9081]	MDC_NERV_SPIN_PHRE NIC	7::96

**Table A.8.2.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near peripheral nerves** (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Nerve Phrenicus, Left Spinal, Cervical Body			Nervus phrenicus, Left [Phrenic nerve, Left, T-X9081-LFT]	MDC_NERV_SPIN_PHRE_NIC_L	7::97
Nerve Phrenicus, Right Spinal, Cervical Body			Nervus phrenicus, Right [Phrenic nerve, Right, T-X9081-RGT]	MDC_NERV_SPIN_PHRE_NIC_R	7::98
Nerve Plexus, Brachialis, NOS Spinal, Cervical Body			PLEXUS BRACHIALIS [Brachial plexus, NOS, T-X9090]	MDC_NERV_SPIN_BRAC_H_PLEX	7::100
Nerve Plexus, Brachialis, Left Spinal, Cervical Body			PLEXUS BRACHIALIS, Left [Brachial plexus, NOS, Left, T-X9090-LFT]	MDC_NERV_SPIN_BRAC_H_PLEX_L	7::101
Nerve Plexus, Brachialis, Right Spinal, Cervical Body			PLEXUS BRACHIALIS, Right [Brachial plexus, NOS, Right, T-X9090-RGT]	MDC_NERV_SPIN_BRAC_H_PLEX_R	7::102
Nerve Thoracicus, Longus, NOS Spinal, Cervical Body			Nervus thoracicus longus [Long thoracic nerve, T-X9130]	MDC_NERV_SPIN_THOR_ACIC_LONG	7::104
Nerve Thoracicus, Longus, Left Spinal, Cervical Body			Nervus thoracicus longus, Left [Long thoracic nerve, Left, T-X9130-LFT]	MDC_NERV_SPIN_THOR_ACIC_LONG_L	7::105
Nerve Thoracicus, Longus, Right Spinal, Cervical Body			Nervus thoracicus longus, Right [Long thoracic nerve, Right, T-X9130-RGT]	MDC_NERV_SPIN_THOR_ACIC_LONG_R	7::106
Nerve Musculocutaneus, NOS Spinal, Cervical Body			Nervus musculocutaneus [Musculocutaneous nerve, T-X9140]	MDC_NERV_SPIN_MUSC_ULOCUT	7::108
Nerve Musculocutaneus, Left Spinal, Cervical Body			Nervus musculocutaneus, Left [Musculocutaneous nerve, Left, T-X9140-LFT]	MDC_NERV_SPIN_MUSC_ULOCUT_L	7::109
Nerve Musculocutaneus, Right Spinal, Cervical Body			Nervus musculocutaneus, Right [Musculocutaneous nerve, Right, T-X9140-RGT]	MDC_NERV_SPIN_MUSC_ULOCUT_R	7::110
Nerve Cutaneus, Antebrachii, Lateralis, NOS Spinal, Cervical Body			Nervus cutaneus antebrachii lateralis [Lateral antebrachial cutaneous nerve, T-X9142]	MDC_NERV_SPIN_CUT_ ANTEBRACH_LAT	7::112
Nerve Cutaneus, Antebrachii, Lateralis, Left Spinal, Cervical Body			Nervus cutaneus antebrachii lateralis, Left [Lateral antebrachial cutaneous nerve, Left, T-X9142-LFT]	MDC_NERV_SPIN_CUT_ ANTEBRACH_LAT_L	7::113
Nerve Cutaneus, Antebrachii, Lateralis, Right Spinal, Cervical Body			Nervus cutaneus antebrachii lateralis, Right [Lateral antebrachial cutaneous nerve, Right, T-X9142-RGT]	MDC_NERV_SPIN_CUT_ ANTEBRACH_LAT_R	7::114
Nerve Cutaneus, Antebrachii, Medialis, NOS Spinal, Cervical Body			Nervus cutaneus antebrachii medialis [Medial antebrachial cutaneous nerve, T-X9160]	MDC_NERV_SPIN_CUT_ ANTEBRACH_MED	7::116
Nerve Cutaneus, Antebrachii, Medialis, Left Spinal, Cervical Body			Nervus cutaneus antebrachii medialis, Left [Medial antebrachial cutaneous nerve, Left, T-X9160-LFT]	MDC_NERV_SPIN_CUT_ ANTEBRACH_MED_L	7::117

**Table A.8.2.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near peripheral nerves** (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Nerve Cutaneous, Antebrachii, Medialis, Right Spinal, Cervical Body			Nervus cutaneus antibrachii medialis, Right [Medial antebrachial cutaneous nerve, Right, T-X9160-RGT]	MDC_NERV_SPIN_CUT_ ANTEBRACH_MED_R	7::118
Nerve Medianus, NOS Spinal, Cervical Body			Nervus medianus [Median nerve, NOS, T-X9180]	MDC_NERV_SPIN_MEDI AN	7::120
Nerve Medianus, Left Spinal, Cervical Body			Nervus medianus, Left [Median nerve, NOS, Left, T-X9180-LFT]	MDC_NERV_SPIN_MEDI AN_L	7::121
Nerve Medianus, Right Spinal, Cervical Body			Nervus medianus, Right [Median nerve, NOS, Right, T-X9180-RGT]	MDC_NERV_SPIN_MEDI AN_R	7::122
Nerve Medianus, Palmaris, NOS Spinal, Cervical Body			Ramus palmaris nervi mediani [Median nerve, palmar branch, T-X9185]	MDC_NERV_SPIN_MEDI AN_PALMAR	7::124
Nerve Medianus, Palmaris, Left Spinal, Cervical Body			Ramus palmaris nervi mediani, Left [Median nerve, palmar branch, Left, T-X9185-LFT]	MDC_NERV_SPIN_MEDI AN_PALMAR_L	7::125
Nerve Medianus, Palmaris, Right Spinal, Cervical Body			Ramus palmaris nervi mediani, Right [Median nerve, palmar branch, Right, T-X9185-RGT]	MDC_NERV_SPIN_MEDI AN_PALMAR_R	7::126
Nerve Medianus, Digitales, Palmares, Proprii, NOS Spinal, Cervical Body			Nervus medianus, Nervi digitales palmares proprii [Median nerve, proper digital palmar nerves, T-X9188]	MDC_NERV_SPIN_MEDI AN_PALMAR_DIGIT_PRO PR	7::128
Nerve Medianus, Digitales, Palmares, Proprii, Left Spinal, Cervical Body			Nervus medianus, Nervi digitales palmares proprii, Left [Median nerve, proper digital palmar nerves, Left, T-X9188-LFT]	MDC_NERV_SPIN_MEDI AN_PALMAR_DIGIT_PRO PR_L	7::129
Nerve Medianus, Digitales, Palmares, Proprii, Right Spinal, Cervical Body			Nervus medianus, Nervi digitales palmares proprii, Right [Median nerve, proper digital palmar nerves, Right, T-X9188-RGT]	MDC_NERV_SPIN_MEDI AN_PALMAR_DIGIT_PRO PR_R	7::130
Nerve Ulnaris Spinal, Cervical, NOS Body			Nervus ulnaris [Ulnar nerve, NOS, T-X9170]	MDC_NERV_SPIN_ULNA R	7::132
Nerve Ulnaris Spinal, Cervical, Left Body			Nervus ulnaris, Left [Ulnar nerve, NOS, Left, T-X9170-LFT]	MDC_NERV_SPIN_ULNA R_L	7::133
Nerve Ulnaris Spinal, Cervical, Right Body			Nervus ulnaris, Right [Ulnar nerve, NOS, Right, T-X9170-RGT]	MDC_NERV_SPIN_ULNA R_R	7::134
Nerve Ulnaris, Ramus, Dorsalis, NOS Spinal, Cervical Body			Ramus dorsalis nervi ulnaris [Ulnar nerve, dorsal branch, T-X9172]	MDC_NERV_SPIN_ULNA R_RAM_DORSAL	7::136
Nerve Ulnaris, Ramus, Dorsalis, Left Spinal, Cervical Body			Ramus dorsalis nervi ulnaris, Left [Ulnar nerve, dorsal branch, Left, T-X9172-LFT]	MDC_NERV_SPIN_ULNA R_RAM_DORSAL_L	7::137

**Table A.8.2.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near peripheral nerves** (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Nerve Ulnaris, Ramus, Dorsalis, Right Spinal, Cervical Body			Ramus dorsalis nervi ulnaris, Right [Ulnar nerve, dorsal branch, Right, T-X9172-RGT]	MDC_NERV_SPIN_ULNA R_RAM_DORSAL_R	7::138
Nerve Ulnaris, Ramus, Palmaris, NOS Spinal, Cervical Body			Ramus palmaris nervi ulnaris [Ulnar nerve, palmar branch, T-X9174]	MDC_NERV_SPIN_ULNA R_RAM_PALMAR	7::140
Nerve Ulnaris, Ramus, Palmaris, Left Spinal, Cervical Body			Ramus palmaris nervi ulnaris, Left [Ulnar nerve, palmar branch, Left, T-X9174-LFT]	MDC_NERV_SPIN_ULNA R_RAM_PALMAR_L	7::141
Nerve Ulnaris, Ramus, Palmaris, Right Spinal, Cervical Body			Ramus palmaris nervi ulnaris, Right [Ulnar nerve, palmar branch, Right, T-X9174-RGT]	MDC_NERV_SPIN_ULNA R_RAM_PALMAR_R	7::142
Nerve Ulnaris, Digitales, Palmares, Proprii, NOS Spinal, Cervical Body			Nervus ulnaris, Nervi digitales palmares proprii [Ulnar nerve, proper digital palmar nerves, T-X9177]	MDC_NERV_SPIN_ULNA R_PALMAR_DIGIT_PROP R	7::144
Nerve Ulnaris, Digitales, Palmares, Proprii, Left Spinal, Cervical Body			Nervus ulnaris, Nervi digitales palmares proprii, Left [Ulnar nerve, proper digital palmar nerves, Left, T-X9177-LFT]	MDC_NERV_SPIN_ULNA R_PALMAR_DIGIT_PROP R_L	7::145
Nerve Ulnaris, Digitales, Palmares, Proprii, Right Spinal, Cervical Body			Nervus ulnaris, Nervi digitales palmares proprii, Right [Ulnar nerve, proper digital palmar nerves, Right, T-X9177-RGT]	MDC_NERV_SPIN_ULNA R_PALMAR_DIGIT_PROP R_R	7::146
Nerve Radialis Spinal, Cervical, NOS Body			Nervus radialis [Radial nerve, NOS, T-X9190]	MDC_NERV_SPIN_RADII C	7::148
Nerve Radialis Spinal, Cervical, Left Body			Nervus radialis, Left [Radial nerve, NOS, Left, T-X9190-LFT]	MDC_NERV_SPIN_RADII C_L	7::149
Nerve Radialis Spinal, Cervical, Right Body			Nervus radialis, Right [Radial nerve, NOS, Right, T-X9190-RGT]	MDC_NERV_SPIN_RADII C_R	7::150
Nerve Radialis, Superficialis, NOS Spinal, Cervical Body			Nervus radialis Ramus superficialis [Radial nerve, superficial branch, T-X9197]	MDC_NERV_SPIN_RADII C_SUPERF	7::152
Nerve Radialis, Superficialis, Left Spinal, Cervical Body			Nervus radialis Ramus superficialis, Left [Radial nerve, superficial branch, Left, T-X9197-LFT]	MDC_NERV_SPIN_RADII C_SUPERF_L	7::153
Nerve Radialis, Superficialis, Right Spinal, Cervical Body			Nervus radialis Ramus superficialis, Right [Radial nerve, superficial branch, Right, T-X9197-RGT]	MDC_NERV_SPIN_RADII C_SUPERF_R	7::154
Nerve Subscapularis Spinal, Cervical, NOS Body			Nervi subscapulares [Suprascapular nerve, T-X9200]	MDC_NERV_SPIN_SUBS CAP	7::156
Nerve Subscapularis Spinal, Cervical, Left Body			Nervi subscapulares, Left [Suprascapular nerve, Left, T-X9200-LFT]	MDC_NERV_SPIN_SUBS CAP_L	7::157

**Table A.8.2.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near peripheral nerves** *(multipage table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Nerve Subscapularis Spinal, Cervical, Right Body			Nervi subscapulares, Right [Suprascapular nerve, Right, T-X9200-RGT]	MDC_NERV_SPIN_SUBS CAP_R	7::158
Nerve Axillaris, NOS Spinal, Cervical Body			Nervus axillaris [Axillary nerve, T-X9210]	MDC_NERV_SPIN_AXILL AR	7::160
Nerve Axillaris, Left Spinal, Cervical Body			Nervus axillaris, Left [Axillary nerve, Left, T-X9210-LFT]	MDC_NERV_SPIN_AXILL AR_L	7::161
Nerve Axillaris, Right Spinal, Cervical Body			Nervus axillaris, Right [Axillary nerve, Right, T-X9210-RGT]	MDC_NERV_SPIN_AXILL AR_R	7::162
Nerve Thoracicus, NOS Spinal, Chest Body			NERVI THORACICI [Thoracic nerve, NOS, T-X9230]	MDC_NERV_SPIN_THOR ACIC	7::164
Nerve Thoracicus, Left Spinal, Chest Body			NERVI THORACICI, Left [Thoracic nerve, NOS, Left, T-X9230-LFT]	MDC_NERV_SPIN_THOR ACIC_L	7::165
Nerve Thoracicus, Right Spinal, Chest Body			NERVI THORACICI, Right [Thoracic nerve, NOS, Right, T-X9230-RGT]	MDC_NERV_SPIN_THOR ACIC_R	7::166
Nerve Lumbales, NOS Spinal, Lumbal Body			NERVI LUMBALIS [Lumbar nerve, NOS, T-X9300]	MDC_NERV_SPIN_LUMB AL	7::168
Nerve Lumbales, Left Spinal, Lumbal Body			NERVI LUMBALIS, Left [Lumbar nerve, NOS, Left, T-X9300-LFT]	MDC_NERV_SPIN_LUMB AL_L	7::169
Nerve Lumbales, Right Spinal, Lumbal Body			NERVI LUMBALIS, Right [Lumbar nerve, NOS, Right, T-X9300-RGT]	MDC_NERV_SPIN_LUMB AL_R	7::170
Nerve Plexus, Lumbosacralis, NOS Spinal, Sacral Body			PLEXUS LUMBOSACRALIS [Lumbosacral plexus, T-X9330]	MDC_NERV_SPIN_LUMB OSACRAL_PLEX	7::172
Nerve Plexus, Lumbosacralis, Left Spinal, Sacral Body			PLEXUS LUMBOSACRALIS, Left [Lumbosacral plexus, Left, T-X9330-LFT]	MDC_NERV_SPIN_LUMB OSACRAL_PLEX_L	7::173
Nerve Plexus, Lumbosacralis, Right Spinal, Sacral Body			PLEXUS LUMBOSACRALIS, Right [Lumbosacral plexus, Right, T-X9330-RGT]	MDC_NERV_SPIN_LUMB OSACRAL_PLEX_R	7::174
Nerve Plexus, Lumbalis, NOS Spinal, Sacral Body			Plexus lumbalis [Lumbar plexus, T-X9320]	MDC_NERV_SPIN_LUMB AL_PLEX	7::176
Nerve Plexus, Lumbalis, Left Spinal, Sacral Body			Plexus lumbalis, Left [Lumbar plexus, Left, T-X9320-LFT]	MDC_NERV_SPIN_LUMB AL_PLEX_L	7::177
Nerve Plexus, Lumbalis, Right Spinal, Sacral Body			Plexus lumbalis, Right [Lumbar plexus, Right, T-X9320-RGT]	MDC_NERV_SPIN_LUMB AL_PLEX_R	7::178
Nerve Iliohypogastricus, NOS Spinal, Sacral Body			Nervus iliohypogastricus [Iliohypogastric nerve, T-X9325]	MDC_NERV_SPIN_ILIOH YPOGASTRIC	7::180

**Table A.8.2.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near peripheral nerves** (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Nerve Iliohypogastricus, Left Spinal, Sacral Body			Nervus iliohypogastricus, Left [Iliohypogastric nerve, Left, T-X9325-LFT]	MDC_NERV_SPIN_ILIOH YPOGASTRIC_L	7::181
Nerve Iliohypogastricus, Right Spinal, Sacral Body			Nervus iliohypogastricus, Right [Iliohypogastric nerve, Right, T-X9325-RGT]	MDC_NERV_SPIN_ILIOH YPOGASTRIC_R	7::182
Nerve Ilio-inguinalis, NOS Spinal, Sacral Body			Nervus ilio-inguinalis [Ilioungual nerve, T-X9340]	MDC_NERV_SPIN_ILIOIN GUINAL	7::184
Nerve Ilio-inguinalis, Left Spinal, Sacral Body			Nervus ilio-inguinalis, Left [Ilioungual nerve, Left, T-X9340-LFT]	MDC_NERV_SPIN_ILIOIN GUINAL_L	7::185
Nerve Ilio-inguinalis, Right Spinal, Sacral Body			Nervus ilio-inguinalis, Right [Ilioungual nerve, Right, T-X9340-RGT]	MDC_NERV_SPIN_ILIOIN GUINAL_R	7::186
Nerve Cutaneus, Femoris, Lateralis, NOS Spinal, Sacral Body			Nervus cutaneus femoris lateralis [Lateral femoral cutaneous nerve, T-X9360]	MDC_NERV_SPIN_CUT_ FEMORAL_LAT	7::188
Nerve Cutaneus, Femoris, Lateralis, Left Spinal, Sacral Body			Nervus cutaneus femoris lateralis, Left [Lateral femoral cutaneous nerve, Left, T-X9360-LFT]	MDC_NERV_SPIN_CUT_ FEMORAL_LAT_L	7::189
Nerve Cutaneus, Femoris, Lateralis, Right Spinal, Sacral Body			Nervus cutaneus femoris lateralis, Right [Lateral femoral cutaneous nerve, Right, T-X9360-RGT]	MDC_NERV_SPIN_CUT_ FEMORAL_LAT_R	7::190
Nerve Obturatorius, NOS Spinal, Sacral Body			Nervus obturatorius [Obturator nerve, NOS, T-X9370]	MDC_NERV_SPIN_OBTU RATOR	7::192
Nerve Obturatorius, Left Spinal, Sacral Body			Nervus obturatorius, Left [Obturator nerve, NOS, Left, T-X9370-LFT]	MDC_NERV_SPIN_OBTU RATOR_L	7::193
Nerve Obturatorius, Right Spinal, Sacral Body			Nervus obturatorius, Right [Obturator nerve, NOS, Right, T-X9370-RGT]	MDC_NERV_SPIN_OBTU RATOR_R	7::194
Nerve Femoralis, NOS Spinal, Sacral Body			Nervus femoralis [Femoral nerve, T-X9380]	MDC_NERV_SPIN_FEMO RAL	7::196
Nerve Femoralis, Left Spinal, Sacral Body			Nervus femoralis, Left [Femoral nerve, Left, T-X9380-LFT]	MDC_NERV_SPIN_FEMO RAL_L	7::197
Nerve Femoralis, Right Spinal, Sacral Body			Nervus femoralis, Right [Femoral nerve, Right, T-X9380-RGT]	MDC_NERV_SPIN_FEMO RAL_R	7::198
Nerve Saphenus, NOS Spinal, Sacral Body			Nervus saphenus [Saphenous nerve, T-X9383]	MDC_NERV_SPIN_SAPH EN	7::200
Nerve Saphenus, Left Spinal, Sacral Body			Nervus saphenus, Left [Saphenous nerve, Left, T-X9383-LFT]	MDC_NERV_SPIN_SAPH EN_L	7::201
Nerve Saphenus, Right Spinal, Sacral Body			Nervus saphenus, Right [Saphenous nerve, Right, T-X9383-RGT]	MDC_NERV_SPIN_SAPH EN_R	7::202

**Table A.8.2.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near peripheral nerves** *(multipage table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Nerve Sacralis, NOS Spinal, Sacral Body			Nervi sacrales at Nervus coccygeus [Sacral nerve, NOS, T-X9400]	MDC_NERV_SPIN_SACR_AL	7::204
Nerve Sacralis, Left Spinal, Sacral Body			Nervi sacrales at Nervus coccygeus, Left [Sacral nerve, NOS, Left, T-X9400-LFT]	MDC_NERV_SPIN_SACR_AL_L	7::205
Nerve Sacralis, Right Spinal, Sacral Body			Nervi sacrales at Nervus coccygeus, Right [Sacral nerve, NOS, Right, T-X9400-RGT]	MDC_NERV_SPIN_SACR_AL_R	7::206
Nerve Plexus, Sacralis, NOS Spinal, Sacral Body			Plexus sacralis [Sacral plexus, T-X9410]	MDC_NERV_SPIN_PLEX	7::208
Nerve Plexus, Sacralis, Left Spinal, Sacral Body			Plexus sacralis, Left [Sacral plexus, Left, T-X9410-LFT]	MDC_NERV_SPIN_PLEX_L	7::209
Nerve Plexus, Sacralis, Right Spinal, Sacral Body			Plexus sacralis, Right [Sacral plexus, Right, T-X9410-RGT]	MDC_NERV_SPIN_PLEX_R	7::210
Nerve Ischiadicus, NOS Spinal, Sacral Body			Nervus ischiadicus [Sciatic nerve, T-X9440]	MDC_NERV_SPIN_ISCHIADIC	7::212
Nerve Ischiadicus, Left Spinal, Sacral Body			Nervus ischiadicus, Left [Sciatic nerve, Left, T-X9440-LFT]	MDC_NERV_SPIN_ISCHIADIC_L	7::213
Nerve Ischiadicus, Right Spinal, Sacral Body			Nervus ischiadicus, Right [Sciatic nerve, Right, T-X9440-RGT]	MDC_NERV_SPIN_ISCHIADIC_R	7::214
Nerve Fibularis, Communis, NOS Spinal, Sacral Body			Nervus fibularis communis [Common peroneal nerve, T-X9490]	MDC_NERV_SPIN_FIBULAR_COMMUN	7::216
Nerve Fibularis, Communis, Left Spinal, Sacral Body			Nervus fibularis communis, Left [Common peroneal nerve, Left, T-X9490-LFT]	MDC_NERV_SPIN_FIBULAR_COMMUN_L	7::217
Nerve Fibularis, Communis, Right Spinal, Sacral Body			Nervus fibularis communis, Right [Common peroneal nerve, Right, T-X9490-RGT]	MDC_NERV_SPIN_FIBULAR_COMMUN_R	7::218
Nerve Fibularis, NOS Spinal, Sacral Body			[Deep peroneal (fibular) nerve, T-X9500]	MDC_NERV_SPIN_FIBULAR_AR	7::220
Nerve Fibularis, Left Spinal, Sacral Body			[Deep peroneal (fibular) nerve, Left, T-X9500-LFT]	MDC_NERV_SPIN_FIBULAR_AR_L	7::221
Nerve Fibularis, Right Spinal, Sacral Body			[Deep peroneal (fibular) nerve, Right, T-X9500-RGT]	MDC_NERV_SPIN_FIBULAR_AR_R	7::222
Nerve Fibularis, Superficialis, NOS Spinal, Sacral Body			Nervus fibularis superficialis [Superficial peroneal nerve, T-X9510]	MDC_NERV_SPIN_FIBULAR_AR_SUPERF	7::224
Nerve Fibularis, Superficialis, Left Spinal, Sacral Body			Nervus fibularis superficialis, Left [Superficial peroneal nerve, Left, T-X9510-LFT]	MDC_NERV_SPIN_FIBULAR_AR_SUPERF_L	7::225
Nerve Fibularis, Superficialis, Right Spinal, Sacral Body			Nervus fibularis superficialis, Right [Superficial peroneal nerve, Right, T-X9510-RGT]	MDC_NERV_SPIN_FIBULAR_AR_SUPERF_R	7::226

**Table A.8.2.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near peripheral nerves** (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Nerve Tibialis, NOS Spinal, Sacral Body			Nervus tibialis [Tibial nerve, NOS, T-X9450]	MDC_NERV_SPIN_TIBIA_L	7::228
Nerve Tibialis, Left Spinal, Sacral Body			Nervus tibialis, Left [Tibial nerve, NOS, Left, T-X9450-LFT]	MDC_NERV_SPIN_TIBIA_L_L	7::229
Nerve Tibialis, Right Spinal, Sacral Body			Nervus tibialis, Right [Tibial nerve, Right, NOS, T-X9450-RGT]	MDC_NERV_SPIN_TIBIA_L_R	7::230
Nerve Suralis, NOS Spinal, Sacral Body			Nervus surealis [Sural nerve, T-X9470]	MDC_NERV_SPIN_SURA_L	7::232
Nerve Suralis, Left Spinal, Sacral Body			Nervus surealis, Left [Sural nerve, Left, T-X9470-LFT]	MDC_NERV_SPIN_SURA_L_L	7::233
Nerve Suralis, Right Spinal, Sacral Body			Nervus surealis, Right [Sural nerve, Right, T-X9470-RGT]	MDC_NERV_SPIN_SURA_L_R	7::234
Nerve Plantaris, Medialis, NOS Spinal, Sacral Body			Nervus plantaris medialis [Medial plantar nerve, T-X9483]	MDC_NERV_SPIN_PLAN_TAR_MEDIAL	7::236
Nerve Plantaris, Medialis, Left Spinal, Sacral Body			Nervus plantaris medialis, Left [Medial plantar nerve, Left, T-X9483-LFT]	MDC_NERV_SPIN_PLAN_TAR_MEDIAL_L	7::237
Nerve Plantaris, Medialis, Right Spinal, Sacral Body			Nervus plantaris medialis, Right [Medial plantar nerve, Right, T-X9483-RGT]	MDC_NERV_SPIN_PLAN_TAR_MEDIAL_R	7::238
Nerve Plantaris, Lateralis, NOS Spinal, Sacral Body			Nervus plantaris lateralis [Lateral plantar nerve, T-X9486]	MDC_NERV_SPIN_PLAN_TAR_LAT	7::240
Nerve Plantaris, Lateralis, Left Spinal, Sacral Body			Nervus plantaris lateralis, Left [Lateral plantar nerve, Left, T-X9486-LFT]	MDC_NERV_SPIN_PLAN_TAR_LAT_L	7::241
Nerve Plantaris, Lateralis, Right Spinal, Sacral Body			Nervus plantaris lateralis, Right [Lateral plantar nerve, Right, T-X9486-RGT]	MDC_NERV_SPIN_PLAN_TAR_LAT_R	7::242
Nerve Pudendus, NOS Spinal, Sacral Body			Nervus pudendus [Pudental nerve, T-X9550]	MDC_NERV_SPIN_PUDE_ND	7::244
Nerve Pudendus, Left Spinal, Sacral Body			Nervus pudendus, Left [Pudental nerve, Left, T-X9550-LFT]	MDC_NERV_SPIN_PUDE_ND_L	7::245
Nerve Pudendus, Right Spinal, Sacral Body			Nervus pudendus, Right [Pudental nerve, Right, T-X9550-RGT]	MDC_NERV_SPIN_PUDE_ND_R	7::246

A.8.3 Sites for neurophysiological signal monitoring: locations near muscles**A.8.3.1 Base concepts**

In this special case, only one descriptor is applicable:

- **Muscle** (the position or object of a measurement)

A.8.3.2 First set of differentiating criteria

The second field of the systematic name refers to the measurement features. In this case, the descriptors are the parts of the Latin name in *Nomina Anatomica*. The following semantic links are applied to the first set of differentiating criteria. It is possible to have more than one semantic link and/or descriptor.

A.8.3.2.1 Semantic link "relates to anatomic structure:"

Descriptors for head-related structures are as follows:

- **Auricularis**
- **Capitis**
- **Cervicis**
- **Labii**
- **Laringis**
- **Linguae**
- **Mentalis**
- **Nasi**
- **Oculi**
- **Orbitalis**
- **Oris**
- **Zygomaticus**

Descriptors for trunk-related structures are as follows:

- **Abdominis**
- **Ani**
- **Coccigeus**
- **Dorsi**
- **Dorsales**
- **Iliopsoas**
- **LowerBack**
- **Lumborum**
- **Pectoralis**
- **Puborectalis**
- **Scapulae**
- **Spinae**
- **Spinalis/**

- **Thoracis**
- **UpperBack**

Descriptors for upper-extremity-related structures are as follows:

- **Anconeus**
- **Brachialis**
- **Brachii**
- **Brachioradialis**
- **Carp**
- **Coracobrachialis**
- **Digitii**
- **Digitorum**
- **Indicis**
- **Palmaris**
- **Pollicis**
- **Ulnaris**

Descriptors for lower-extremity-related structures are as follows:

- **Femoris**
- **Foot**
- **Gastrocnemius**
- **Gluteus**
- **Hallucis**
- **Leg**
- **Peroneus**
- **Plantae**
- **Plantares**
- **Plantaris**
- **Popliteus**
- **Surae**
- **Tibialis**

Descriptors for finger-related and toe-related structures, i.e., to upper and lower extremity, are as follows:

- **Digitii**
- **Digitorum**

Descriptors for skeletal-related structures, if not otherwise specified, are as follows:

- **Skeletal**

A.8.3.2.2 Semantic link "*has position*:"

Applicable descriptors include the following:

- **Alaeque**
- **Anguli**
- **Anterior**
- **Genioglossus**
- **Externi**
- **Externus**
- **Frontalis**
- **Inferior**
- **Inferioris**
- **Infraspinatus**
- **Intercostales**
- **Intermedius**
- **Internus**
- **Interossei**
- **Interspinales**
- **Interspinalis**
- **Laterale**
- **Lateralis**
- **Mediale**
- **Medialis**
- **Medius**
- **Obliquus**
- **Occipitofrontalis**
- **Opponens**
- **Posterior**
- **Profundus**
- **Sternocleidomastoideus**
- **Subclavius**
- **Subscapularis**
- **Superficialis**
- **Superior**
- **Superioris**
- **Temporalis**
- **Transversus**

Descriptors for laterality are as follows:

- **Left**
- **Right**

A.8.3.2.3 Semantic link "performs function:"

Applicable descriptors are as follows:

- Abductor
- Adductor
- Buccinator
- Depressor
- Erector
- Extensor
- Flexor
- Levator
- Masseter
- Obturator
- Pronator
- Risorius
- Sphincter
- Supinator
- Tensor

A.8.3.2.4 Semantic link "has characteristics:"

Applicable descriptors are as follows:

- Lumbricales
- Semimembranosus
- Semispinalis
- Semitendinosus

A.8.3.2.5 Semantic link "has appearance:"

Applicable descriptors are as follows:

- Brevis
- Biceps
- Cricothyroideus
- Deltoideus
- Digastricus
- Fasciae
- Gemellus
- Gracilis
- Latae
- Latissimus
- Longum
- Longus
- Magnus
- Major
- Maximus

- **Minimi**
- **Minimus**
- **Minor**
- **Multifidi**
- **Mylohyoideus**
- **Orbicularis**
- **Pectineus**
- **Piriformis**
- **Platysma**
- **Pterygoideus**
- **Quadratus**
- **Quadriceps**
- **Rectus**
- **Rhomboideus**
- **Sartorius**
- **Serratus**
- **Soleus**
- **Splenius**
- **Supraspinatus**
- **Teres**
- **Thyroarytenoideus**
- **Trapezius**
- **Triceps**
- **Vastus**
- **Venter**

A.8.3.3 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement. The descriptors are derived from grouping in *Nomina Anatomica*, which is different from the grouping in SNOMED.

A.8.3.3.1 Semantic link "concerns:"

Applicable descriptors are as follows:

- **Back**
- **Head**
- **LowerExtremity**
- **Neck**
- **Trunk**
- **UpperExtremity**

A.8.3.4 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organ system for which the term is relevant.

A.8.3.4.1 Semantic link "*pertains to*:"

There is only one descriptor:

— **Body**

A.8.3.5 Code table

See Table A.8.3.5.1 for the nomenclature and codes for sites for neurophysiological signal monitoring of locations near or in muscles.

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Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles *(multipage table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Skeletal, NOS Body			[Skeletal muscle, NOS, T-13000]	MDC_MUSC_SKELETAL	7::248
Muscle Skeletal, Left Body			[Skeletal muscle, NOS, Left, T-13000-LFT]	MDC_MUSC_SKELETAL_L	7::249
Muscle Skeletal, Right Body			[Skeletal muscle, NOS, Right, T-13000-RGT]	MDC_MUSC_SKELETAL_R	7::250
Muscle NOS Head Body			MUSCULI CAPITIS [Muscle of head, NOS, T-13100]	MDC_MUSC_HEAD	7::252
Muscle Left Head Body			MUSCULI CAPITIS, Left [Muscle of head, NOS, Left, T-13100-LFT]	MDC_MUSC_HEAD_L	7::253
Muscle Right Head Body			MUSCULI CAPITIS, Right [Muscle of head, NOS, Right, T-13100-RGT]	MDC_MUSC_HEAD_R	7::254
Muscle Eye, NOS Head Body			MUSCULI BULBI [Extrinsic ocular muscle, NOS, T-13170]	MDC_MUSC_HEAD_EYE	7::256
Muscle Eye, Left Head Body			MUSCULI BULBI, Left [Extrinsic ocular muscle, NOS, Left, T-13170-LFT]	MDC_MUSC_HEAD_EYE_L	7::257
Muscle Eye, Right Head Body			MUSCULI BULBI, Right [Extrinsic ocular muscle, NOS, Right, T-13170-RGT]	MDC_MUSC_HEAD_EYE_R	7::258
Muscle Rectus, Superior, NOS Head Body			Musculus rectus superior [Superior rectus muscle, T-13180]	MDC_MUSC_HEAD_RECT_SUP	7::260
Muscle Rectus, Superior, Left Head Body			Musculus rectus superior, Left [Superior rectus muscle, Left, T-13180-LFT]	MDC_MUSC_HEAD_RECT_SUP_L	7::261
Muscle Rectus, Superior, Right Head Body			Musculus rectus superior, Right [Superior rectus muscle, Right, T-13180-RGT]	MDC_MUSC_HEAD_RECT_SUP_R	7::262
Muscle Rectus, Inferior, NOS Head Body			Musculus rectus inferior [Inferior rectus muscle, T-13190]	MDC_MUSC_HEAD_RECT_INF	7::264
Muscle Rectus, Inferior, Left Head Body			Musculus rectus inferior, Left [Inferior rectus muscle, Left, T-13190-LFT]	MDC_MUSC_HEAD_RECT_INF_L	7::265
Muscle Rectus, Inferior, Right Head Body			Musculus rectus inferior, Right [Inferior rectus muscle, Right, T-13190-RGT]	MDC_MUSC_HEAD_RECT_INF_R	7::266
Muscle Rectus, Medialis, NOS Head Body			Musculus rectus medialis [Medial rectus muscle, T-13200]	MDC_MUSC_HEAD_RECT_MED	7::268
Muscle Rectus, Medialis, Left Head Body			Musculus rectus medialis, Left [Medial rectus muscle, Left, T-13200-LFT]	MDC_MUSC_HEAD_RECT_MED_L	7::269
Muscle Rectus, Medialis, Right Head Body			Musculus rectus medialis, Right [Medial rectus muscle, Right, T-13200-RGT]	MDC_MUSC_HEAD_RECT_MED_R	7::270
Muscle Rectus, Lateralis, NOS Head Body			Musculus rectus lateralis [Lateral rectus muscle, T-13210]	MDC_MUSC_HEAD_RECT_LAT	7::272

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Rectus, Lateralis, Left Head Body			Musculus rectus lateralis, Left [Lateral rectus muscle, Left, T-13210-LFT]	MDC_MUSC_HEAD_RECT_LAT_L	7::273
Muscle Rectus, Lateralis, Right Head Body			Musculus rectus lateralis, Right [Lateral rectus muscle, Right, T-13210-RGT]	MDC_MUSC_HEAD_RECT_LAT_R	7::274
Muscle Obliquus, Superior, NOS Head Body			Musculus obliquus superior [Superior oblique muscle, T-13220]	MDC_MUSC_HEAD_OBLIQ_SUP	7::276
Muscle Obliquus, Superior, Left Head Body			Musculus obliquus superior, Left [Superior oblique muscle, Left, T-13220-LFT]	MDC_MUSC_HEAD_OBLIQ_SUP_L	7::277
Muscle Obliquus, Superior, Right Head Body			Musculus obliquus superior, Right [Superior oblique muscle, Right, T-13220-RGT]	MDC_MUSC_HEAD_OBLIQ_SUP_R	7::278
Muscle Obliquus, Inferior, NOS Head Body			Musculus obliquus inferior [Inferior oblique muscle, T-13230]	MDC_MUSC_HEAD_OBLIQ_INF	7::280
Muscle Obliquus, Inferior, Left Head Body			Musculus obliquus inferior, Left [Inferior oblique muscle, Left, T-13230-LFT]	MDC_MUSC_HEAD_OBLIQ_INF_L	7::281
Muscle Obliquus, Inferior, Right Head Body			Musculus obliquus inferior, Right [Inferior oblique muscle, Right, T-13230-RGT]	MDC_MUSC_HEAD_OBLIQ_INF_R	7::282
Muscle NOS Head, Facial Body			MUSCULI FACIALES ET MASTICATOIRES [Facial muscle, NOS, T-13150]	MDC_MUSC_HEAD_FACIAL	7::284
Muscle Left Head, Facial Body			MUSCULI FACIALES ET MASTICATOIRES, Left [Facial muscle, NOS, Left, T-13150-LFT]	MDC_MUSC_HEAD_FACIAL_L	7::285
Muscle Right Head, Facial Body			MUSCULI FACIALES ET MASTICATOIRES, Right [Facial muscle, NOS, Right, T-13150-RGT]	MDC_MUSC_HEAD_FACIAL_R	7::286
Muscle Occipitofrontalis, Venter, Frontalis, NOS Head Body			Musculus occipitofrontalis, Venter frontalis [Occipitofrontalis muscle, frontal belly, T-13142]	MDC_MUSC_HEAD_OCCIPI_TOFRONT_VENTER	7::288
Muscle Occipitofrontalis, Venter, Frontalis, Left Head Body			Musculus occipitofrontalis, Venter frontalis, Left [Occipitofrontalis muscle, frontal belly, Left, T-13142-LFT]	MDC_MUSC_HEAD_OCCIPI_TOFRONT_VENTER_L	7::289
Muscle Occipitofrontalis, Venter, Frontalis, Right Head Body			Musculus occipitofrontalis, Venter frontalis, Right [Occipitofrontalis muscle, frontal belly, Right, T-13142-RGT]	MDC_MUSC_HEAD_OCCIPI_TOFRONT_VENTER_R	7::290
Muscle Orbicularis, Oculi, NOS Head Body			Musculus orbicularis oculi [Orbicularis oculi muscle, NOS, T-13160]	MDC_MUSC_HEAD_ORBIC_OCUL	7::292
Muscle Orbicularis, Oculi, Left Head Body			Musculus orbicularis oculi, Left [Orbicularis oculi muscle, NOS, Left, T-13160-LFT]	MDC_MUSC_HEAD_ORBIC_OCUL_L	7::293
Muscle Orbicularis, Oculi, Right Head Body			Musculus orbicularis oculi, Right [Orbicularis oculi muscle, NOS, Right, T-13160-RGT]	MDC_MUSC_HEAD_ORBIC_OCUL_R	7::294

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles *(multiple table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Orbicularis, Oculi, Pars, Orbitalis, NOS Head Body			Musculus orbicularis oculi, Pars orbitalis [Orbicularis oculi muscle, orbital part, T-13162]	MDC_MUSC_HEAD_ORBIC_OCUL_PARS_ORBIT	7::296
Muscle Orbicularis, Oculi, Pars, Orbitalis, Left Head Body			Musculus orbicularis oculi, Pars orbitalis, Left [Orbicularis oculi muscle, orbital part, Left, T-13162-LFT]	MDC_MUSC_HEAD_ORBIC_OCUL_PARS_ORBIT_L	7::297
Muscle Orbicularis, Oculi, Pars, Orbitalis, Right Head Body			Musculus orbicularis oculi, Pars orbitalis, Right [Orbicularis oculi muscle, orbital part, Right, T-13162-RGT]	MDC_MUSC_HEAD_ORBIC_OCUL_PARS_ORBIT_R	7::298
Muscle Auricularis, Posterior, NOS Head Body			Musculus auricularis posterior [Posterior auricularis muscle, T-13243]	MDC_MUSC_HEAD_AURIC_POST	7::300
Muscle Auricularis, Posterior, Left Head Body			Musculus auricularis posterior, Left [Posterior auricularis muscle, Left, T-13243-LFT]	MDC_MUSC_HEAD_AURIC_POST_L	7::301
Muscle Auricularis, Posterior, Right Head Body			Musculus auricularis posterior, Right [Posterior auricularis muscle, Right, T-13243-RGT]	MDC_MUSC_HEAD_AURIC_POST_R	7::302
Muscle Orbicularis, Oris, NOS Head Body			Musculus orbicularis oris [Orbicularis oris muscle, T-13290]	MDC_MUSC_HEAD_ORBIC_ORIS	7::304
Muscle Orbicularis, Oris, Left Head Body			Musculus orbicularis oris, Left [Orbicularis oris muscle, Left, T-13290-LFT]	MDC_MUSC_HEAD_ORBIC_ORIS_L	7::305
Muscle Orbicularis, Oris, Right Head Body			Musculus orbicularis oris, Right [Orbicularis oris muscle, Right, T-13290-RGT]	MDC_MUSC_HEAD_ORBIC_ORIS_R	7::306
Muscle Depressor, Anguli, Oris, NOS Head, Facial Body			Musculus depressor anguli oris [Depressor anguli oris muscle, T-13151]	MDC_MUSC_HEAD_DEPRESSOR_ANGLE_ORIS	7::308
Muscle Depressor, Anguli, Oris, Left Head, Facial Body			Musculus depressor anguli oris, Left [Depressor anguli oris muscle, Left, T-13151-LFT]	MDC_MUSC_HEAD_DEPRESSOR_ANGLE_ORIS_L	7::309
Muscle Depressor, Anguli, Oris, Right Head, Facial Body			Musculus depressor anguli oris, Right [Depressor anguli oris muscle, Right, T-13151-RGT]	MDC_MUSC_HEAD_DEPRESSOR_ANGLE_ORIS_R	7::310
Muscle Risorius, NOS Head, Facial Body			Musculus risorius [Risorius muscle, T-13152]	MDC_MUSC_HEAD_RISOR	7::312
Muscle Risorius, Left Head, Facial Body			Musculus risorius, Left [Risorius muscle, Left, T-13152-LFT]	MDC_MUSC_HEAD_RISOR_L	7::313
Muscle Risorius, Right Head, Facial Body			Musculus risorius, Right [Risorius muscle, Right, T-13152-RGT]	MDC_MUSC_HEAD_RISOR_R	7::314
Muscle Zygomaticus, Major, NOS Head, Facial Body			Musculus zygomaticus major [Zygomaticus major muscle, T-13153]	MDC_MUSC_HEAD_ZYGOMATIC_MAJOR	7::316
Muscle Zygomaticus, Major, Left Head, Facial Body			Musculus zygomaticus major, Left [Zygomaticus major muscle, Left, T-13153-LFT]	MDC_MUSC_HEAD_ZYGOMATIC_MAJOR_L	7::317

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Zygomaticus, Major, Right Head, Facial Body			Musculus zygomaticus major, Right [Zygomaticus major muscle, Right, T-13153-RGT]	MDC_MUSC_HEAD_ZYGOM ATIC_MAJOR_R	7::318
Muscle Zygomaticus, Minor, NOS Head, Facial Body			Musculus zygomaticus minor [Zygomaticus minor muscle, T-13154]	MDC_MUSC_HEAD_ZYGOM ATIC_MINOR	7::320
Muscle Zygomaticus, Minor, Left Head, Facial Body			Musculus zygomaticus minor, Left [Zygomaticus minor muscle, Left, T-13154-LFT]	MDC_MUSC_HEAD_ZYGOM ATIC_MINOR_L	7::321
Muscle Zygomaticus, Minor, Right Head, Facial Body			Musculus zygomaticus minor, Right [Zygomaticus minor muscle, Right, T-13154-RGT]	MDC_MUSC_HEAD_ZYGOM ATIC_MINOR_R	7::322
Muscle Levator, Labii, Superioris, NOS Head, Facial Body			Musculus levator labii superioris [Levator labii superioris muscle, T-13155]	MDC_MUSC_HEAD_LEVAT OR_LAB_SUP	7::324
Muscle Levator, Labii, Superioris, Left Head, Facial Body			Musculus levator labii superioris, Left [Levator labii superioris muscle, Left, T-13155-LFT]	MDC_MUSC_HEAD_LEVAT OR_LAB_SUP_L	7::325
Muscle Levator, Labii, Superioris, Right Head, Facial Body			Musculus levator labii superioris, Right [Levator labii superioris muscle, Right, T-13155-RGT]	MDC_MUSC_HEAD_LEVAT OR_LAB_SUP_R	7::326
Muscle Levator, Labii, Superioris, Alaeque, Nasi, NOS Head, Facial Body			Musculus levator labii superioris alaeque nasi [Levator labii superioris alaeque nasi muscle, T-13156]	MDC_MUSC_HEAD_LEVAT OR_LAB_SUP_AL_NASI	7::328
Muscle Levator, Labii, Superioris, Alaeque, Nasi, Left Head, Facial Body			Musculus levator labii superioris alaeque nasi, Left [Levator labii superioris alaeque nasi muscle, Left, T-13156-LFT]	MDC_MUSC_HEAD_LEVAT OR_LAB_SUP_AL_NASI_L	7::329
Muscle Levator, Labii, Superioris, Alaeque, Nasi, Right Head, Facial Body			Musculus levator labii superioris alaeque nasi, Right [Levator labii superioris alaeque nasi muscle, Right, T-13156-RGT]	MDC_MUSC_HEAD_LEVAT OR_LAB_SUP_AL_NASI_R	7::330
Muscle Depressor, Labii, Inferioris, NOS Head, Facial Body			Musculus depressor labii inferioris [Depressor labii inferioris muscle, T-13157]	MDC_MUSC_HEAD_DEPRE SSOR_LAB_INF	7::332
Muscle Depressor, Labii, Inferioris, Left Head, Facial Body			Musculus depressor labii inferioris, Left [Depressor labii inferioris muscle, Left, T-13157-LFT]	MDC_MUSC_HEAD_DEPRE SSOR_LAB_INF_L	7::333
Muscle Depressor, Labii, Inferioris, Right Head, Facial Body			Musculus depressor labii inferioris, Right [Depressor labii inferioris muscle, Right, T-13157-RGT]	MDC_MUSC_HEAD_DEPRE SSOR_LAB_INF_R	7::334
Muscle Levator, Anguli, Oris, NOS Head, Facial Body			Musculus levator anguli oris [Levator anguli oris muscle, T-13158]	MDC_MUSC_HEAD_LEVAT OR_ANGUL_ORIS	7::336
Muscle Levator, Anguli, Oris, Left Head, Facial Body			Musculus levator anguli oris, Left [Levator anguli oris muscle, Left, T-13158-LFT]	MDC_MUSC_HEAD_LEVAT OR_ANGUL_ORIS_L	7::337
Muscle Levator, Anguli, Oris, Right Head, Facial Body			Musculus levator anguli oris, Right [Levator anguli oris muscle, Right, T-13158-RGT]	MDC_MUSC_HEAD_LEVAT OR_ANGUL_ORIS_R	7::338

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multiple table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Buccinator, NOS Head Body			Musculus buccinator [Buccinator muscle, T-13159]	MDC_MUSC_HEAD_BUCCI NATOR	7::340
Muscle Buccinator, Left Head Body			Musculus buccinator, Left [Buccinator muscle, Left, T-13159-LFT]	MDC_MUSC_HEAD_BUCCI NATOR_L	7::341
Muscle Buccinator, Right Head Body			Musculus buccinator, Right [Buccinator muscle, Right, T-13159-RGT]	MDC_MUSC_HEAD_BUCCI NATOR_R	7::342
Muscle Mentalis, NOS Head Body			Musculus mentalis [Mentalis muscle, T-13250]	MDC_MUSC_HEAD_MENTA L	7::344
Muscle Mentalis, Left Head Body			Musculus mentalis, Left [Mentalis muscle, Left, T-13250-LFT]	MDC_MUSC_HEAD_MENTA L_L	7::345
Muscle Mentalis, Right Head Body			Musculus mentalis, Right [Mentalis muscle, Right, T-13250-RGT]	MDC_MUSC_HEAD_MENTA L_R	7::346
Muscle Masseter, NOS Head Body			Musculus masseter [Masseter muscle, T-13260]	MDC_MUSC_HEAD_MASSE TER	7::348
Muscle Masseter, Left Head Body			Musculus masseter, Left [Masseter muscle, Left, T-13260-LFT]	MDC_MUSC_HEAD_MASSE TER_L	7::349
Muscle Masseter, Right Head Body			Musculus masseter, Right [Masseter muscle, Right, T-13260-RGT]	MDC_MUSC_HEAD_MASSE TER_R	7::350
Muscle Temporalis, NOS Head Body			Musculus temporalis [Temporalis muscle, T-13270]	MDC_MUSC_HEAD_TEMPO R	7::352
Muscle Temporalis, Left Head Body			Musculus temporalis, Left [Temporalis muscle, Left, T-13270-LFT]	MDC_MUSC_HEAD_TEMPO R_L	7::353
Muscle Temporalis, Right Head Body			Musculus temporalis, Right [Temporalis muscle, Right, T-13270-RGT]	MDC_MUSC_HEAD_TEMPO R_R	7::354
Muscle Pterygoideus, NOS Head Body			Musculus Pterygoideus [Pterygoideus muscle, NOS, T-13280]	MDC_MUSC_HEAD_PTERY GOID	7::356
Muscle Pterygoideus, Left Head Body			Musculus Pterygoideus, Left [Pterygoideus muscle, Left, T-13280-LFT]	MDC_MUSC_HEAD_PTERY GOID_L	7::357
Muscle Pterygoideus, Right Head Body			Musculus Pterygoideus, Right [Pterygoideus muscle, Right, T-13280-RGT]	MDC_MUSC_HEAD_PTERY GOID_R	7::358
Muscle Pterygoideus, Lateralis, NOS Head Body			Musculus Pterygoideus lateralis [Lateral pterygoideus muscle, T-13281]	MDC_MUSC_HEAD_PTERY GOID_LAT	7::360
Muscle Pterygoideus, Lateralis, Left Head Body			Musculus Pterygoideus lateralis, Left [Lateral pterygoideus muscle, Left, T-13281-LFT]	MDC_MUSC_HEAD_PTERY GOID_LAT_L	7::361
Muscle Pterygoideus, Lateralis, Right Head Body			Musculus Pterygoideus lateralis, Right [Lateral pterygoideus muscle, Right, T-13281-RGT]	MDC_MUSC_HEAD_PTERY GOID_LAT_R	7::362

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Pterygoideus, Medialis, NOS Head Body			Musculus Pterygoideus, medialis [Medial pterygoid muscle, T-13282]	MDC_MUSC_HEAD_PTERYGOID_MED	7::364
Muscle Pterygoideus, Medialis, Left Head Body			Musculus Pterygoideus, medialis, Left [Medial pterygoid muscle, Left, T-13282-LFT]	MDC_MUSC_HEAD_PTERYGOID_MED_L	7::365
Muscle Pterygoideus, Medialis, Right Head Body			Musculus Pterygoideus, medialis, Right [Medial pterygoid muscle, Right, T-13282-RGT]	MDC_MUSC_HEAD_PTERYGOID_MED_R	7::366
Muscle Linguae, NOS Head Body			MUSCULI LINGVAE [Intrinsic lingual muscle, NOS, T-13510]	MDC_MUSC_HEAD_LING	7::368
Muscle Linguae, Left Head Body			MUSCULI LINGVAE, Left [Intrinsic lingual muscle, NOS, Left, T-13510-LFT]	MDC_MUSC_HEAD_LING_L	7::369
Muscle Linguae, Right Head Body			MUSCULI LINGVAE, Right [Intrinsic lingual muscle, NOS, Right, T-13510-RGT]	MDC_MUSC_HEAD_LING_R	7::370
Muscle Genioglossus, NOS Head Body			Musculus genioglossus [Genioglossus muscle, T-13520]	MDC_MUSC_HEAD_GENIOGLOSS	7::372
Muscle Genioglossus, Left Head Body			Musculus genioglossus, Left [Genioglossus muscle, Left, T-13520-LFT]	MDC_MUSC_HEAD_GENIOGLOSS_L	7::373
Muscle Genioglossus, Right Head Body			Musculus genioglossus, Right [Genioglossus muscle, Right, T-13520-RGT]	MDC_MUSC_HEAD_GENIOGLOSS_R	7::374
Muscle Laringis, NOS Head Body			MUSCULI LARINGIS [Laryngeal muscle, NOS, T-13490]	MDC_MUSC_HEAD_LARIN	7::376
Muscle Laringis, Left Head Body			MUSCULI LARINGIS, Left [Laryngeal muscle, NOS, Left, T-13490-LFT]	MDC_MUSC_HEAD_LARIN_G_L	7::377
Muscle Laringis, Right Head Body			MUSCULI LARINGIS, Right [Laryngeal muscle, NOS, Right, T-13490-RGT]	MDC_MUSC_HEAD_LARIN_G_R	7::378
Muscle Cricothyroideus, NOS Head Body			Musculus cricothyroideus [Cricothyroid muscle, T-13492]	MDC_MUSC_HEAD_CRICO	7::380
Muscle Cricothyroideus, Left Head Body			Musculus cricothyroideus, Left [Cricothyroid muscle, Left, T-13492-LFT]	MDC_MUSC_HEAD_CRICO	7::381
Muscle Cricothyroideus, Right Head Body			Musculus cricothyroideus, Right [Cricothyroid muscle, Right, T-13492-RGT]	MDC_MUSC_HEAD_CRICO	7::382
Muscle Thyroarytenoideus, NOS Head Body			Musculus thyroarytenoideus [Thyroarytenoid muscle, T-13497]	MDC_MUSC_HEAD_THYROARYTEROID	7::384
Muscle Thyroarytenoideus, Left Head Body			Musculus thyroarytenoideus, Left [Thyroarytenoid muscle, Left, T-13497-LFT]	MDC_MUSC_HEAD_THYROARYTEROID_L	7::385
Muscle Thyroarytenoideus, Right Head Body			Musculus thyroarytenoideus, Right [Thyroarytenoid muscle, Right, T-13497-RGT]	MDC_MUSC_HEAD_THYROARYTEROID_R	7::386

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multiple table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle NOS Neck Body			MUSCULI COLLI [Muscle of neck, NOS, T-13300]	MDC_MUSC_NECK	7::388
Muscle Left Neck Body			MUSCULI COLLI, Left [Muscle of neck, NOS, Left, T-13300-LFT]	MDC_MUSC_NECK_L	7::389
Muscle Right Neck Body			MUSCULI COLLI, Right [Muscle of neck, NOS, Right, T-13300-RGT]	MDC_MUSC_NECK_R	7::390
Muscle Platysma, NOS Neck Body			Platysma [Platysma muscle, T-13480]	MDC_MUSC_NECK_PLATY_SMA	7::392
Muscle Platysma, Left Neck Body			Platysma, Left [Platysma muscle, Left, T-13480-LFT]	MDC_MUSC_NECK_PLATY_SMA_L	7::393
Muscle Platysma, Right Neck Body			Platysma, Right [Platysma muscle, Right, T-13480-RGT]	MDC_MUSC_NECK_PLATY_SMA_R	7::394
Muscle Longus, Capitis, NOS Neck Body			Musculus capitis longus [Longus capitis muscle, T-13130]	MDC_MUSC_NECK_CAPT_LONG	7::396
Muscle Longus, Capitis, Left Neck Body			Musculus capitis longus, Left [Longus capitis muscle, Left, T-13130-LFT]	MDC_MUSC_NECK_CAPT_LONG_L	7::397
Muscle Longus, Capitis, Right Neck Body			Musculus capitis longus, Right [Longus capitis muscle, Right, T-13130-RGT]	MDC_MUSC_NECK_CAPT_LONG_R	7::398
Muscle Sternocleidomastoideus, NOS Neck Body			Musculus Sternocleidomastoideus [Sternocleidomastoid muscle, T-13310]	MDC_MUSC_NECK_STERN_OCLEIDOMASTOID	7::400
Muscle Sternocleidomastoideus, Left Neck Body			Musculus Sternocleidomastoideus, Left [Sternocleidomastoid muscle, Left, T-13310-LFT]	MDC_MUSC_NECK_STERN_OCLEIDOMASTOID_L	7::401
Muscle Sternocleidomastoideus, Right Neck Body			Musculus Sternocleidomastoideus, Right [Sternocleidomastoid muscle, Right, T-13310-RGT]	MDC_MUSC_NECK_STERN_OCLEIDOMASTOID_R	7::402
Muscle Digastricus, NOS Neck Body			Musculus digastricus [Digastric muscle, T-13330]	MDC_MUSC_NECK_DIGRA_STRIC	7::404
Muscle Digastricus, Left Neck Body			Musculus digastricus, Left [Digastric muscle, Left, T-13330-LFT]	MDC_MUSC_NECK_DIGRA_STRIC_L	7::405
Muscle Digastricus, Right Neck Body			Musculus digastricus, Right [Digastric muscle, Right, T-13330-RGT]	MDC_MUSC_NECK_DIGRA_STRIC_R	7::406
Muscle Digastricus, Venter, Anterior, NOS Neck Body			Musculus digastricus, Venter anterior [Digastric muscle, anterior belly, T-13331]	MDC_MUSC_NECK_DIGRA_STRIC_VENTER_ANT	7::408
Muscle Digastricus, Venter, Anterior, Left Neck Body			Musculus digastricus, Venter anterior, Left [Digastric muscle, anterior belly, Left, T-13331-LFT]	MDC_MUSC_NECK_DIGRA_STRIC_VENTER_ANT_L	7::409
Muscle Digastricus, Venter, Anterior, Right Neck Body			Musculus digastricus, Venter anterior, Right [Digastric muscle, anterior belly, Right, T-13331-RGT]	MDC_MUSC_NECK_DIGRA_STRIC_VENTER_ANT_R	7::410

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Digastricus, Venter, Posterior, NOS Neck Body			Musculus digastricus, Venter posterior [Digastric muscle, posterior belly, T-13332]	MDC_MUSC_NECK_DIGRA STRIC_VENTER_POST	7::412
Muscle Digastricus, Venter, Posterior, Left Neck Body			Musculus digastricus, Venter posterior, Left [Digastric muscle, posterior belly, Left, T-13332-LFT]	MDC_MUSC_NECK_DIGRA STRIC_VENTER_POST_L	7::413
Muscle Digastricus, Venter, Posterior, Right Neck Body			Musculus digastricus, Venter posterior, Right [Digastric muscle, posterior belly, Right, T-13332-RGT]	MDC_MUSC_NECK_DIGRA STRIC_VENTER_POST_R	7::414
Muscle Mylohyoideus, NOS Neck Body			Musculus mylohyoideus [Mylohyoid muscle, T-13350, (submental EMG)]	MDC_MUSC_NECK_MYLOH YOID	7::416
Muscle Mylohyoideus, Left Neck Body			Musculus mylohyoideus, Left [Mylohyoid muscle, Left, T-13350-LFT, (submental EMG)]	MDC_MUSC_NECK_MYLOH YOID_L	7::417
Muscle Mylohyoideus, Right Neck Body			Musculus mylohyoideus, Right [Mylohyoid muscle, Right, T-13350-RGT, (submental EMG)]	MDC_MUSC_NECK_MYLOH YOID_R	7::418
Muscle NOS Trunk Body			[Muscle of trunk, NOS, T-14000]	MDC_MUSC_TRUNK	7::420
Muscle Left Trunk Body			[Muscle of trunk, NOS, Left, T-14000-LFT]	MDC_MUSC_TRUNK_L	7::421
Muscle Right Trunk Body			[Muscle of trunk, NOS, Right, T-14000-RGT]	MDC_MUSC_TRUNK_R	7::422
Muscle NOS Back Body			MUSCULI DORSI [Muscle of back, NOS, T-14090]	MDC_MUSC_BACK	7::424
Muscle Left Back Body			MUSCULI DORSI, Left [Muscle of back, NOS, Left, T-14090-LFT]	MDC_MUSC_BACK_L	7::425
Muscle Right Back Body			MUSCULI DORSI, Right [Muscle of back, NOS, Right, T-14090-RGT]	MDC_MUSC_BACK_R	7::426
Muscle UpperBack, NOS Back Body			[Muscle of upper back, NOS, T-14170]	MDC_MUSC_BACK_UPPER	7::428
Muscle UpperBack, Left Back Body			[Muscle of upper back, NOS, Left, T-14170-LFT]	MDC_MUSC_BACK_UPPER_L	7::429
Muscle UpperBack, Right Back Body			[Muscle of upper back, NOS, Right, T-14170-RGT]	MDC_MUSC_BACK_UPPER_R	7::430
Muscle LowerBack, NOS Back Body			[Muscle of lower back, NOS, T-14091]	MDC_MUSC_BACK_LOWER	7::432
Muscle LowerBack, Left Back Body			[Muscle of lower back, NOS, Left, T-14091-LFT]	MDC_MUSC_BACK_LOWER_L	7::433
Muscle LowerBack, Right Back Body			[Muscle of lower back, NOS, Right, T-14091-RGT]	MDC_MUSC_BACK_LOWER_R	7::434
Muscle Trapezius, NOS Back Body			Musculus trapezius [Trapezius muscle, T-14171]	MDC_MUSC_BACK_TRAPE Z	7::436

**Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near or in muscles** *(multiple table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Trapezius, Left Back Body			Musculus trapezius, Left [Trapezius muscle, Left, T-14171-LFT]	MDC_MUSC_BACK_TRAPE_Z_L	7::437
Muscle Trapezius, Right Back Body			Musculus trapezius, Right [Trapezius muscle, Right, T-14171-RGT]	MDC_MUSC_BACK_TRAPE_Z_R	7::438
Muscle Latissimus, Dorsi, NOS Back Body			Musculus latissimus dorsi [Latissimus dorsi muscle, T-14172]	MDC_MUSC_BACK_LASTIS_SIM_DORS	7::440
Muscle Latissimus, Dorsi, Left Back Body			Musculus latissimus dorsi, Left [Latissimus dorsi muscle, Left, T-14172-LFT]	MDC_MUSC_BACK_LASTIS_SIM_DORS_L	7::441
Muscle Latissimus, Dorsi, Right Back Body			Musculus latissimus dorsi, Right [Latissimus dorsi muscle, Right, T-14172-RGT]	MDC_MUSC_BACK_LASTIS_SIM_DORS_R	7::442
Muscle Rhomboideus, Major, NOS Back Body			Musculus rhomboideus major [Rhomboid major muscle, T-14173]	MDC_MUSC_BACK_RHOMB_MAJOR	7::444
Muscle Rhomboideus, Major, Left Back Body			Musculus rhomboideus major, Left [Rhomboid major muscle, Left, T-14173-LFT]	MDC_MUSC_BACK_RHOMB_MAJOR_L	7::445
Muscle Rhomboideus, Major, Right Back Body			Musculus rhomboideus major, Right [Rhomboid major muscle, Right, T-14173-RGT]	MDC_MUSC_BACK_RHOMB_MAJOR_R	7::446
Muscle Rhomboideus, Minor, NOS Back Body			Musculus rhomboideus minor [Rhomboid minor muscle, T-14174]	MDC_MUSC_BACK_RHOMB_MINOR	7::448
Muscle Rhomboideus, Minor, Left Back Body			Musculus rhomboideus minor, Left [Rhomboid minor muscle, Left, T-14174-LFT]	MDC_MUSC_BACK_RHOMB_MINOR_L	7::449
Muscle Rhomboideus, Minor, Right Back Body			Musculus rhomboideus minor, Right [Rhomboid minor muscle, Right, T-14174-RGT]	MDC_MUSC_BACK_RHOMB_MINOR_R	7::450
Muscle Levator, Scapulae, NOS Back Body			Musculus levator scapulae [Levator scapulae muscle, T-14180]	MDC_MUSC_BACK_SCAP_LEVATOR	7::452
Muscle Levator, Scapulae, Left Back Body			Musculus levator scapulae, Left [Levator scapulae muscle, Left, T-14180-LFT]	MDC_MUSC_BACK_SCAP_LEVATOR_L	7::453
Muscle Levator, Scapulae, Right Back Body			Musculus levator scapulae, Right [Levator scapulae muscle, Right, T-14180-RGT]	MDC_MUSC_BACK_SCAP_LEVATOR_R	7::454
Muscle Serratus, Posterior, NOS Back Body			Musculus serratus posterior [Serratus posterior muscle, T-14190]	MDC_MUSC_BACK_SERRA_T_POST	7::456
Muscle Serratus, Posterior, Left Back Body			Musculus serratus posterior, Left [Serratus posterior muscle, Left, T-14190-LFT]	MDC_MUSC_BACK_SERRA_T_POST_L	7::457
Muscle Serratus, Posterior, Right Back Body			Musculus serratus posterior, Right [Serratus posterior muscle, Right, T-14190-RGT]	MDC_MUSC_BACK_SERRA_T_POST_R	7::458
Muscle Splenius, Capitis, NOS Back Body			Musculus splenius capitis [Splenius capitis muscle, T-13101]	MDC_MUSC_BACK_SPLEN_CAPT	7::460

**Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near or in muscles** (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Splenius, Capitis, Left Back Body			Musculus splenius capitis, Left [Splenius capitis muscle, Left, T-13101-LFT]	MDC_MUSC_BACK_SPLEN_CAPT_L	7::461
Muscle Splenius, Capitis, Right Back Body			Musculus splenius capitis, Right [Splenius capitis muscle, Right, T-13101-RGT]	MDC_MUSC_BACK_SPLEN_CAPT_R	7::462
Muscle Splenius, Cervicis, NOS Back Body			Musculus splenius cervicis [Splenius cervicis muscle, T-13301]	MDC_MUSC_BACK_SPLEN_CERVIC	7::464
Muscle Splenius, Cervicis, Left Back Body			Musculus splenius cervicis, Left [Splenius cervicis muscle, Left, T-13301-LFT]	MDC_MUSC_BACK_SPLEN_CERVIC_L	7::465
Muscle Splenius, Cervicis, Right Back Body			Musculus splenius cervicis, Right [Splenius cervicis muscle, Right, T-13301-RGT]	MDC_MUSC_BACK_SPLEN_CERVIC_R	7::466
Muscle Splenius, NOS Back Body			[Splenius muscle of trunk, T-14010]	MDC_MUSC_BACK_SPLEN	7::468
Muscle Splenius, Left Back Body			[Splenius muscle of trunk, Left, T-14010-LFT]	MDC_MUSC_BACK_SPLEN_L	7::469
Muscle Splenius, Right Back Body			[Splenius muscle of trunk, Right, T-14010-RGT]	MDC_MUSC_BACK_SPLEN_R	7::470
Muscle Erector, Spinae, NOS Back Body			MUSCULUS ERECTOR SPINAE [Erector spinae muscle, T-14020]	MDC_MUSC_BACK_SPINAL_ERECTOR	7::472
Muscle Erector, Spinae, Left Back Body			MUSCULUS ERECTOR SPINAE, Left [Erector spinae muscle, Left, T-14020-LFT]	MDC_MUSC_BACK_SPINAL_ERECTOR_L	7::473
Muscle Erector, Spinae, Right Back Body			MUSCULUS ERECTOR SPINAE, Right [Erector spinae muscle, Right, T-14020-RGT]	MDC_MUSC_BACK_SPINAL_ERECTOR_R	7::474
Muscle Spinalis, NOS Back Body			Musculus spinalis [Spinalis muscle, T-14050]	MDC_MUSC_BACK_SPINAL	7::476
Muscle Spinalis, Left Back Body			Musculus spinalis, Left [Spinalis muscle, Left, T-14050-LFT]	MDC_MUSC_BACK_SPINAL_L	7::477
Muscle Spinalis, Right Back Body			Musculus spinalis, Right [Spinalis muscle, Right, T-14050-RGT]	MDC_MUSC_BACK_SPINAL_R	7::478
Muscle Spinalis, Thoracis, NOS Back Body			Musculus spinalis thoracis [Spinalis thoracis muscle, T-14051]	MDC_MUSC_BACK_SPINAL_THORAC	7::480
Muscle Spinalis, Thoracis, Left Back Body			Musculus spinalis thoracis, Left [Spinalis thoracis muscle, Left, T-14051-LFT]	MDC_MUSC_BACK_SPINAL_THORAC_L	7::481
Muscle Spinalis, Thoracis, Right Back Body			Musculus spinalis thoracis, Right [Spinalis thoracis muscle, Right, T-14051-RGT]	MDC_MUSC_BACK_SPINAL_THORAC_R	7::482
Muscle Spinalis, Cervicis, NOS Back Body			Musculus spinalis cervicis [Spinalis cervicis muscle, T-14052]	MDC_MUSC_BACK_SPINAL_CERVIC	7::484
Muscle Spinalis, Cervicis, Left Back Body			Musculus spinalis cervicis, Left [Spinalis cervicis muscle, Left, T-14052-LFT]	MDC_MUSC_BACK_SPINAL_CERVIC_L	7::485

**Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near or in muscles** *(multipage table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Spinalis, Cervicis, Right Back Body			Musculus spinalis cervicis, Right [Spinalis cervicis muscle, Right, T-14052-RGT]	MDC_MUSC_BACK_SPINAL_CERVIC_R	7::486
Muscle Spinalis, Capitis, NOS Back Body			Musculus spinalis capitis [Spinalis capitis muscle, T-14053]	MDC_MUSC_BACK_SPINAL_CAPIT	7::488
Muscle Spinalis, Capitis, Left Back Body			Musculus spinalis capitis, Left [Spinalis capitis muscle, Left, T-14053-LFT]	MDC_MUSC_BACK_SPINAL_CAPIT_L	7::489
Muscle Spinalis, Capitis, Right Back Body			Musculus spinalis capitis, Right [Spinalis capitis muscle, Right, T-14053-RGT]	MDC_MUSC_BACK_SPINAL_CAPIT_R	7::490
Muscle Semispinalis, NOS Back Body			Musculus semispinalis [Semispinalis muscle, NOS, T-14061]	MDC_MUSC_BACK_SEMIS_PINAL	7::492
Muscle Semispinalis, Left Back Body			Musculus semispinalis, Left [Semispinalis muscle, NOS, Left, T-14061-LFT]	MDC_MUSC_BACK_SEMIS_PINAL_L	7::493
Muscle Semispinalis, Right Back Body			Musculus semispinalis, Right [Semispinalis muscle, NOS, Right, T-14061-RGT]	MDC_MUSC_BACK_SEMIS_PINAL_R	7::494
Muscle Semispinalis, Thoracis, NOS Back Body			Musculus semispinalis thoracis [Semispinalis thoracis muscle, T-14062]	MDC_MUSC_BACK_SEMIS_PINAL_THOR	7::496
Muscle Semispinalis, Thoracis, Left Back Body			Musculus semispinalis thoracis, Left [Semispinalis thoracis muscle, Left, T-14062-LFT]	MDC_MUSC_BACK_SEMIS_PINAL_THOR_L	7::497
Muscle Semispinalis, Thoracis, Right Back Body			Musculus semispinalis thoracis, Right [Semispinalis thoracis muscle, Right, T-14062-RGT]	MDC_MUSC_BACK_SEMIS_PINAL_THOR_R	7::498
Muscle Semispinalis, Cervicis, NOS Back Body			Musculus semispinalis cervicis [Semispinalis cervicis muscle, T-14063]	MDC_MUSC_BACK_SEMIS_PINAL_CERV	7::500
Muscle Semispinalis, Cervicis, Left Back Body			Musculus semispinalis cervicis, Left [Semispinalis cervicis muscle, Left, T-14063-LFT]	MDC_MUSC_BACK_SEMIS_PINAL_CERV_L	7::501
Muscle Semispinalis, Cervicis, Right Back Body			Musculus semispinalis cervicis, Right [Semispinalis cervicis muscle, Right, T-14063-RGT]	MDC_MUSC_BACK_SEMIS_PINAL_CERV_R	7::502
Muscle Semispinalis, Capitis, NOS Back Body			Musculus semispinalis capitis [Semispinalis capitis muscle, T-14064]	MDC_MUSC_BACK_SEMIS_PINAL_CAPIT	7::504
Muscle Semispinalis, Capitis, Left Back Body			Musculus semispinalis capitis, Left [Semispinalis capitis muscle, Left, T-14064-LFT]	MDC_MUSC_BACK_SEMIS_PINAL_CAPIT_L	7::505
Muscle Semispinalis, Capitis, Right Back Body			Musculus semispinalis capitis, Right [Semispinalis capitis muscle, Right, T-14064-RGT]	MDC_MUSC_BACK_SEMIS_PINAL_CAPIT_R	7::506
Muscle Multifidi, NOS Back Body			Musculi multifidii [Multifidus muscle, T-14065]	MDC_MUSC_BACK_MULTIFID	7::508
Muscle Multifidi, Left Back Body			Musculi multifidii, Left [Multifidus muscle, Left, T-14065-LFT]	MDC_MUSC_BACK_MULTIFID_L	7::509

**Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near or in muscles** (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Multifidii, Right Back Body			Musculi multifidii, Right [Multifidus muscle, Right, T-14065-RGT]	MDC_MUSC_BACK_MULTIF_ID_R	7::510
Muscle Interspinales, NOS Back Body			MUSCULI INTERSPINALES [Interspinalis muscles, NOS, T-14070]	MDC_MUSC_BACK_INTERS_PINAL	7::512
Muscle Interspinales, Left Back Body			MUSCULI INTERSPINALES, Left [Interspinalis muscles, NOS, Left, T-14070-LFT]	MDC_MUSC_BACK_INTERS_PINAL_L	7::513
Muscle Interspinales, Right Back Body			MUSCULI INTERSPINALES, Right [Interspinalis muscles, NOS, Right, T-14070-RGT]	MDC_MUSC_BACK_INTERS_PINAL_R	7::514
Muscle Interspinales, Cervicis, NOS Back Body			Musculi interspinales cervicis [Interspinalis cervicis muscle, T-14071]	MDC_MUSC_BACK_INTERS_PINAL_CERVIC	7::516
Muscle Interspinales, Cervicis, Left Back Body			Musculi interspinales cervicis, Left [Interspinalis cervicis muscle, Left, T-14071-LFT]	MDC_MUSC_BACK_INTERS_PINAL_CERVIC_L	7::517
Muscle Interspinales, Cervicis, Right Back Body			Musculi interspinales cervicis, Right [Interspinalis cervicis muscle, Right, T-14071-RGT]	MDC_MUSC_BACK_INTERS_PINAL_CERVIC_R	7::518
Muscle Interspinalis, Thoracis, NOS Back Body			Musculi interspinales thoracis [Interspinalis thoracis muscle, T-14072]	MDC_MUSC_BACK_INTERS_PINAL_THORAC	7::520
Muscle Interspinalis, Thoracis, Left Back Body			Musculi interspinales thoracis, Left [Interspinalis thoracis muscle, Left, T-14072-LFT]	MDC_MUSC_BACK_INTERS_PINAL_THORAC_L	7::521
Muscle Interspinalis, Thoracis, Right Back Body			Musculi interspinales thoracis, Right [Interspinalis thoracis muscle, Right, T-14072-RGT]	MDC_MUSC_BACK_INTERS_PINAL_THORAC_R	7::522
Muscle Interspinales, Lumborum, NOS Back Body			Musculi interspinales lumborum [Interspinalis lumborum muscle, T-14073]	MDC_MUSC_BACK_INTERS_PINAL_LUMBOR	7::524
Muscle Interspinales, Lumborum, Left Back Body			Musculi interspinales lumborum, Left [Interspinalis lumborum muscle, Left, T-14073-LFT]	MDC_MUSC_BACK_INTERS_PINAL_LUMBOR_L	7::525
Muscle Interspinales, Lumborum, Right Back Body			Musculi interspinales lumborum, Right [Interspinalis lumborum muscle, Right, T-14073-RGT]	MDC_MUSC_BACK_INTERS_PINAL_LUMBOR_R	7::526
Muscle NOS Thorax Body			MUSCULI THORACIS [Muscle of thorax, NOS, T-14100]	MDC_MUSC_THORAX	7::528
Muscle Left Thorax Body			MUSCULI THORACIS, Left [Muscle of thorax, NOS, Left, T-14100-LFT]	MDC_MUSC_THORAX_L	7::529
Muscle Right Thorax Body			MUSCULI THORACIS, Right [Muscle of thorax, NOS, Right, T-14100-RGT]	MDC_MUSC_THORAX_R	7::530
Muscle Pectoralis, Major, NOS Thorax Body			Musculus pectoralis major [Pectoralis major muscle, NOS, T-14110]	MDC_MUSC_THORAX_PEC_TORAL_MAJOR	7::532
Muscle Pectoralis, Major, Left Thorax Body			Musculus pectoralis major, Left [Pectoralis major muscle, Left, NOS, T-14110-LFT]	MDC_MUSC_THORAX_PEC_TORAL_MAJOR_L	7::533

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles *(multiple table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Pectoralis, Major, Right Thorax Body			Musculus pectoralis major, Right [Pectoralis major muscle, Right, NOS, T-14110-RGT]	MDC_MUSC_THORAX_PEC_TORAL_MAJOR_R	7::534
Muscle Pectoralis, Minor, NOS Thorax Body			Musculus pectoralis minor [Pectoralis minor muscle, T-14120]	MDC_MUSC_THORAX_PEC_TORAL_MINOR	7::536
Muscle Pectoralis, Minor, Left Thorax Body			Musculus pectoralis minor, Left [Pectoralis minor muscle, Left, T-14120-LFT]	MDC_MUSC_THORAX_PEC_TORAL_MINOR_L	7::537
Muscle Pectoralis, Minor, Right Thorax Body			Musculus pectoralis minor, Right [Pectoralis minor muscle, Right, T-14120-RGT]	MDC_MUSC_THORAX_PEC_TORAL_MINOR_R	7::538
Muscle Subclavius, NOS Thorax Body			Musculus subclavius [Subclavius muscle, T-14130]	MDC_MUSC_THORAX_SUBCLAV	7::540
Muscle Subclavius, Left Thorax Body			Musculus subclavius, Left [Subclavius muscle, Left, T-14130-LFT]	MDC_MUSC_THORAX_SUBCLAV_L	7::541
Muscle Subclavius, Right Thorax Body			Musculus subclavius, Right [Subclavius muscle, Right, T-14130-RGT]	MDC_MUSC_THORAX_SUBCLAV_R	7::542
Muscle Serratus, Anterior, NOS Thorax Body			Musculus serratus anterior [Serratus anterior muscle, T-14140]	MDC_MUSC_THORAX_SER_RAT_ANT	7::544
Muscle Serratus, Anterior, Left Thorax Body			Musculus serratus anterior, Left [Serratus anterior muscle, Left, T-14140-LFT]	MDC_MUSC_THORAX_SER_RAT_ANT_L	7::545
Muscle Serratus, Anterior, Right Thorax Body			Musculus serratus anterior, Right [Serratus anterior muscle, Right, T-14140-RGT]	MDC_MUSC_THORAX_SER_RAT_ANT_R	7::546
Muscle Intercostales, NOS Thorax Body			Musculi intercostales [Intercostal muscle, NOS, T-14160]	MDC_MUSC_THORAX_INTE_RCOSTAL	7::548
Muscle Intercostales, Left Thorax Body			Musculi intercostales, Left [Intercostal muscle, NOS, Left, T-14160-LFT]	MDC_MUSC_THORAX_INTE_RCOSTAL_L	7::549
Muscle Intercostales, Right Thorax Body			Musculi intercostales, Right [Intercostal muscle, NOS, Right, T-14160-RGT]	MDC_MUSC_THORAX_INTE_RCOSTAL_R	7::550
Muscle NOS Thorax, Diaphragm Body			DIAPHRAGMA [Diaphragm, NOS, T-Y2400]	MDC_MUSC_THORAX_DIA_PHRAGM	7::552
Muscle Left Thorax, Diaphragm Body			DIAPHRAGMA, Left [Diaphragm, NOS, Left, T-Y2400-LFT]	MDC_MUSC_THORAX_DIA_PHRAGM_L	7::553
Muscle Right Thorax, Diaphragm Body			DIAPHRAGMA, Right [Diaphragm, NOS, Right, T-Y2400-RGT]	MDC_MUSC_THORAX_DIA_PHRAGM_R	7::554
Muscle NOS Abdomen Body			MUSCULI ABDOMINIS [Muscle of abdomen, NOS, T-14200]	MDC_MUSC_ABDOM	7::556
Muscle Left Abdomen Body			MUSCULI ABDOMINIS, Left [Muscle of abdomen, NOS, Left, T-14200-LFT]	MDC_MUSC_ABDOM_L	7::557

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Right Abdomen Body			MUSCULI ABDOMINIS, Right [Muscle of abdomen, NOS, Right, T-14200-RGT]	MDC_MUSC_ABDOM_R	7::558
Muscle Rectus, Abdominis, NOS Abdomen Body			Musculus rectus abdominis [Rectus abdominis muscle, T-14260]	MDC_MUSC_ABDOM_ABD OMIN	7::560
Muscle Rectus, Abdominis, Left Abdomen Body			Musculus rectus abdominis, Left [Rectus abdominis muscle, Left, T-14260-LFT]	MDC_MUSC_ABDOM_ABD OMIN_L	7::561
Muscle Rectus, Abdominis, Right Abdomen Body			Musculus rectus abdominis, Right [Rectus abdominis muscle, Right, T-14260-RGT]	MDC_MUSC_ABDOM_ABD OMIN_R	7::562
Muscle Obliquus, Externus, Abdominis, NOS Abdomen Body			Musculus obliquus externus abdominis [Obliquus externus abdominis muscle, T-14220]	MDC_MUSC_ABDOM_OBLI Q_EXT	7::564
Muscle Obliquus, Externus, Abdominis, Left Abdomen Body			Musculus obliquus externus abdominis, Left [Obliquus externus abdominis muscle, Left, T-14220-LFT]	MDC_MUSC_ABDOM_OBLI Q_EXT_L	7::565
Muscle Obliquus, Externus, Abdominis, Right Abdomen Body			Musculus obliquus externus abdominis, Right [Obliquus externus abdominis muscle, Right, T-14220-RGT]	MDC_MUSC_ABDOM_OBLI Q_EXT_R	7::566
Muscle Obliquus, Internus, Abdominis, NOS Abdomen Body			Musculus obliquus internus abdominis [Obliquus internus abdominis muscle, T-14230]	MDC_MUSC_ABDOM_OBLI Q_INT	7::568
Muscle Obliquus, Internus, Abdominis, Left Abdomen Body			Musculus obliquus internus abdominis, Left [Obliquus internus abdominis muscle, Left, T-14230-LFT]	MDC_MUSC_ABDOM_OBLI Q_INT_L	7::569
Muscle Obliquus, Internus, Abdominis, Right Abdomen Body			Musculus obliquus internus abdominis, Right [Obliquus internus abdominis muscle, Right, T-14230-RGT]	MDC_MUSC_ABDOM_OBLI Q_INT_R	7::570
Muscle Transversus, Abdominis, NOS Abdomen Body			Musculus transversus abdominis [Transversus abdominis muscle, T-14250]	MDC_MUSC_ABDOM_ABD OM_TRANSVERS	7::572
Muscle Transversus, Abdominis, Left Abdomen Body			Musculus transversus abdominis, Left [Transversus abdominis muscle, Left, T-14250-LFT]	MDC_MUSC_ABDOM_ABD OM_TRANSVERS_L	7::573
Muscle Transversus, Abdominis, Right Abdomen Body			Musculus transversus abdominis, Right [Transversus abdominis muscle, Right, T-14250-RGT]	MDC_MUSC_ABDOM_ABD OM_TRANSVERS_R	7::574
Muscle Quadratus, Lumborum, NOS Abdomen Body			Musculus quadratus lumborum [Quadratus lumborum muscle, T-14270]	MDC_MUSC_ABDOM_LUMB OR_QUADRAT	7::576
Muscle Quadratus, Lumborum, Left Abdomen Body			Musculus quadratus lumborum, Left [Quadratus lumborum muscle, Left, T-14270-LFT]	MDC_MUSC_ABDOM_LUMB OR_QUADRAT_L	7::577
Muscle Quadratus, Lumborum, Right Abdomen Body			Musculus quadratus lumborum, Right [Quadratus lumborum muscle, Right, T-14270-RGT]	MDC_MUSC_ABDOM_LUMB OR_QUADRAT_R	7::578

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multiple table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle NOS Abdomen, Pelvis Body			MUSCULI DIAPHRAGMATICI PELVIS [Muscle of perineum, NOS, T-14300]	MDC_MUSC_ABDOM_PELV	7::580
Muscle Left Abdomen, Pelvis Body			MUSCULI DIAPHRAGMATICI PELVIS, Left [Muscle of perineum, NOS, Left, T-14300-LFT]	MDC_MUSC_ABDOM_PELV_L	7::581
Muscle Right Abdomen, Pelvis Body			MUSCULI DIAPHRAGMATICI PELVIS, Right [Muscle of perineum, NOS, Right, T-14300-RGT]	MDC_MUSC_ABDOM_PELV_R	7::582
Muscle Puborectalis, NOS Abdomen Body			Musculus puborectalis [Puborectalis muscle, T-14313]	MDC_MUSC_ABDOM_PUB_ORECT	7::584
Muscle Puborectalis, Left Abdomen Body			Musculus puborectalis, Left [Puborectalis muscle, Left, T-14313-LFT]	MDC_MUSC_ABDOM_PUB_ORECT_L	7::585
Muscle Puborectalis, Right Abdomen Body			Musculus puborectalis, Right [Puborectalis muscle, Right, T-14313-RGT]	MDC_MUSC_ABDOM_PUB_ORECT_R	7::586
Muscle Coccygeus, NOS Abdomen Body			Musculus coccygeus [Coccygeus muscle, T-14320]	MDC_MUSC_ABDOM_COC_CYG	7::588
Muscle Coccygeus, Left Abdomen Body			Musculus coccygeus, Left [Coccygeus muscle, Left, T-14320-LFT]	MDC_MUSC_ABDOM_COC_CYG_L	7::589
Muscle Coccygeus, Right Abdomen Body			Musculus coccygeus, Right [Coccygeus muscle, Right, T-14320-RGT]	MDC_MUSC_ABDOM_COC_CYG_R	7::590
Muscle Sphincter, Ani Abdomen Body			Musculus sphincter ani [Sphincter ani muscle, NOS, T-14330]	MDC_MUSC_ABDOM_ANI_SPHINCTER	7::592
Muscle Sphincter, Ani, Externus Abdomen Body			Musculus sphincter ani externus [Sphincter ani externus muscle, T-14332]	MDC_MUSC_ABDOM_ANI_SPHINCTER_EXT	7::596
Muscle NOS UpperExtremity Body			MUSCULI MEMBRI SUPERIORIS [Muscle of upper extremity, NOS, T-13600]	MDC_MUSC_UPEXT	7::600
Muscle Left UpperExtremity Body			MUSCULI MEMBRI SUPERIORIS, Left [Muscle of upper extremity, NOS, Left, T-13600-LFT]	MDC_MUSC_UPEXT_L	7::601
Muscle Right UpperExtremity Body			MUSCULI MEMBRI SUPERIORIS, Right [Muscle of upper extremity, NOS, Right, T-13600-RGT]	MDC_MUSC_UPEXT_R	7::602
Muscle Deltoideus, NOS UpperExtremity Body			Musculus deltoideus [Deltoid muscle, T-13660]	MDC_MUSC_UPEXT_DELT_OID	7::604
Muscle Deltoideus, Left UpperExtremity Body			Musculus deltoideus, Left [Deltoid muscle, Left, T-13660-LFT]	MDC_MUSC_UPEXT_DELT_OID_L	7::605
Muscle Deltoideus, Right UpperExtremity Body			Musculus deltoideus, Right [Deltoid muscle, Right, T-13660-RGT]	MDC_MUSC_UPEXT_DELT_OID_R	7::606
Muscle Supraspinatus, NOS UpperExtremity Body			Musculus supraspinatus [Supraspinatus muscle, T-13610]	MDC_MUSC_UPEXT_SUPR_ASPI NAT	7::608

**Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near or in muscles** (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Supraspinatus, Left UpperExtremity Body			Musculus supraspinatus, Left [Supraspinatus muscle, Left, T-13610-LFT]	MDC_MUSC_UPEXT_SUPR ASPINAT_L	7::609
Muscle Supraspinatus, Right UpperExtremity Body			Musculus supraspinatus, Right [Supraspinatus muscle, Right, T-13610-RGT]	MDC_MUSC_UPEXT_SUPR ASPINAT_R	7::610
Muscle Infraspinatus, NOS UpperExtremity Body			Musculus infraspinatus [Infraspinatus muscle, T- 13620]	MDC_MUSC_UPEXT_INFRA SPINAT	7::612
Muscle Infraspinatus, Left UpperExtremity Body			Musculus infraspinatus, Left [Infraspinatus muscle, Left, T-13620-LFT]	MDC_MUSC_UPEXT_INFRA SPINAT_L	7::613
Muscle Infraspinatus, Right UpperExtremity Body			Musculus infraspinatus, Right [Infraspinatus muscle, Right, T-13620-RGT]	MDC_MUSC_UPEXT_INFRA SPINAT_R	7::614
Muscle Teres, Minor, NOS UpperExtremity Body			Musculus teres minor [Teres minor muscle, T- 13630]	MDC_MUSC_UPEXT_TERE S_MINOR	7::616
Muscle Teres, Minor, Left UpperExtremity Body			Musculus teres minor, Left [Teres minor muscle, Left, T-13630-LFT]	MDC_MUSC_UPEXT_TERE S_MINOR_L	7::617
Muscle Teres, Minor, Right UpperExtremity Body			Musculus teres minor, Right [Teres minor muscle, Right, T-13630-RGT]	MDC_MUSC_UPEXT_TERE S_MINOR_R	7::618
Muscle Teres, Major, NOS UpperExtremity Body			Musculus teres major [Teres major muscle, T- 13640]	MDC_MUSC_UPEXT_TERE S_MAJOR	7::620
Muscle Teres, Major, Left UpperExtremity Body			Musculus teres major, Left [Teres major muscle, Left, T-13640-LFT]	MDC_MUSC_UPEXT_TERE S_MAJOR_L	7::621
Muscle Teres, Major, Right UpperExtremity Body			Musculus teres major, Right [Teres major muscle, Right, T-13640-RGT]	MDC_MUSC_UPEXT_TERE S_MAJOR_R	7::622
Muscle Subscapularis, NOS UpperExtremity Body			Musculus subscapularis [Subscapularis muscle, T- 13650]	MDC_MUSC_UPEXT_SUBS CAP	7::624
Muscle Subscapularis, Left UpperExtremity Body			Musculus subscapularis, Left [Subscapularis muscle, Left, T-13650-LFT]	MDC_MUSC_UPEXT_SUBS CAP_L	7::625
Muscle Subscapularis, Right UpperExtremity Body			Musculus subscapularis, Right [Subscapularis muscle, Right, T-13650-RGT]	MDC_MUSC_UPEXT_SUBS CAP_R	7::626
Muscle Biceps, Brachii, NOS UpperExtremity Body			Musculus biceps brachii [Biceps brachii muscle, T- 13670]	MDC_MUSC_UPEXT_BRAC HI_BICEPS	7::628
Muscle Biceps, Brachii, Left UpperExtremity Body			Musculus biceps brachii, Left [Biceps brachii muscle, Left, T-13670-LFT]	MDC_MUSC_UPEXT_BRAC HI_BICEPS_L	7::629
Muscle Biceps, Brachii, Right UpperExtremity Body			Musculus biceps brachii, Right [Biceps brachii muscle, Right, T-13670-RGT]	MDC_MUSC_UPEXT_BRAC HI_BICEPS_R	7::630
Muscle Brachialis, NOS UpperExtremity Body			Musculus brachialis [Brachialis muscle, T-13680]	MDC_MUSC_UPEXT_BRAC HIAL	7::632

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multiple table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Brachialis, Left UpperExtremity Body			Musculus brachialis, Left [Brachialis muscle, Left, T-13680-LFT]	MDC_MUSC_UPEXT_BRAC_HIAL_L	7::633
Muscle Brachialis, Right UpperExtremity Body			Musculus brachialis, Right [Brachialis muscle, Right, T-13680-RGT]	MDC_MUSC_UPEXT_BRAC_HIAL_R	7::634
Muscle Coracobrachialis, NOS UpperExtremity Body			Musculus coracobrachialis [Coracobrachialis muscle, T-13710]	MDC_MUSC_UPEXT_CORA_COBRACH	7::636
Muscle Coracobrachialis, Left UpperExtremity Body			Musculus coracobrachialis, Left [Coracobrachialis muscle, Left, T-13710-LFT]	MDC_MUSC_UPEXT_CORA_COBRACH_L	7::637
Muscle Coracobrachialis, Right UpperExtremity Body			Musculus coracobrachialis, Right [Coracobrachialis muscle, Right, T-13710-RGT]	MDC_MUSC_UPEXT_CORA_COBRACH_R	7::638
Muscle Triceps, Brachii, NOS UpperExtremity Body			Musculus triceps brachii [Triceps brachii muscle, T-13690]	MDC_MUSC_UPEXT_BRAC_H_TRICEPS	7::640
Muscle Triceps, Brachii, Left UpperExtremity Body			Musculus triceps brachii, Left [Triceps brachii muscle, Left, T-13690-LFT]	MDC_MUSC_UPEXT_BRAC_H_TRICEPS_L	7::641
Muscle Triceps, Brachii, Right UpperExtremity Body			Musculus triceps brachii, Right [Triceps brachii muscle, Right, T-13690-RGT]	MDC_MUSC_UPEXT_BRAC_H_TRICEPS_R	7::642
Muscle Triceps, Brachii, Caput, Longum, NOS UpperExtremity Body			Musculus triceps brachii, Caput longum [Triceps brachii muscle, long head, T-13691]	MDC_MUSC_UPEXT_BRAC_H_TRICEPS_CAP_LONG	7::644
Muscle Triceps, Brachii, Caput, Longum, Left UpperExtremity Body			Musculus triceps brachii, Caput longum, Left [Triceps brachii muscle, long head, Left, T-13691-LFT]	MDC_MUSC_UPEXT_BRAC_H_TRICEPS_CAP_LONG_L	7::645
Muscle Triceps, Brachii, Caput, Longum, Right UpperExtremity Body			Musculus triceps brachii, Caput longum, Right [Triceps brachii muscle, long head, Right, T-13691-RGT]	MDC_MUSC_UPEXT_BRAC_H_TRICEPS_CAP_LONG_R	7::646
Muscle Triceps, Brachii, Caput, Laterale, NOS UpperExtremity Body			Musculus triceps brachii, Caput laterale [Triceps brachii muscle, lateral head, T-13692]	MDC_MUSC_UPEXT_BRAC_H_TRICEPS_CAP_LAT	7::648
Muscle Triceps, Brachii, Caput, Laterale, Left UpperExtremity Body			Musculus triceps brachii, Caput laterale, Left [Triceps brachii muscle, lateral head, Left, T-13692-LFT]	MDC_MUSC_UPEXT_BRAC_H_TRICEPS_CAP_LAT_L	7::649
Muscle Triceps, Brachii, Caput, Laterale, Right UpperExtremity Body			Musculus triceps brachii, Caput laterale, Right [Triceps brachii muscle, lateral head, Right, T-13692-RGT]	MDC_MUSC_UPEXT_BRAC_H_TRICEPS_CAP_LAT_R	7::650
Muscle Triceps, Brachii, Caput, Mediale, NOS UpperExtremity Body			Musculus triceps brachii, Caput mediale [Triceps brachii muscle, medial head, T-13693]	MDC_MUSC_UPEXT_BRAC_H_TRICEPS_CAP_MED	7::652

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Triceps, Brachii, Caput, Mediale, Left UpperExtremity Body			Musculus triceps brachii, Caput mediale, Left [Triceps brachii muscle, medial head, Left, T-13693-LFT]	MDC_MUSC_UPEXT_BRAC_H_TRICEPS_CAP_MED_L	7::653
Muscle Triceps, Brachii, Caput, Mediale, Right UpperExtremity Body			Musculus triceps brachii, Caput mediale, Right [Triceps brachii muscle, medial head, Right, T-13693-RGT]	MDC_MUSC_UPEXT_BRAC_H_TRICEPS_CAP_MED_R	7::654
Muscle Anconeus, NOS UpperExtremity Body			Musculus anconeus [Anconeus muscle, T-13720]	MDC_MUSC_UPEXT_ANCO_N	7::656
Muscle Anconeus, Left UpperExtremity Body			Musculus anconeus, Left [Anconeus muscle, Left, T-13720-LFT]	MDC_MUSC_UPEXT_ANCO_N_L	7::657
Muscle Anconeus, Right UpperExtremity Body			Musculus anconeus, Right [Anconeus muscle, Right, T-13720-RGT]	MDC_MUSC_UPEXT_ANCO_N_R	7::658
Muscle Pronator, Teres, NOS UpperExtremity Body			Musculus pronator teres [Pronator teres muscle, T-13740]	MDC_MUSC_UPEXT_PRONATOR	7::660
Muscle Pronator, Teres, Left UpperExtremity Body			Musculus pronator teres, Left [Pronator teres muscle, Left, T-13740-LFT]	MDC_MUSC_UPEXT_PRONATOR_L	7::661
Muscle Pronator, Teres, Right UpperExtremity Body			Musculus pronator teres, Right [Pronator teres muscle, Right, T-13740-RGT]	MDC_MUSC_UPEXT_PRONATOR_R	7::662
Muscle Flexor, Carpi, Radialis, NOS UpperExtremity Body			Musculus flexor carpi radialis [Flexor carpi radialis muscle, T-13750]	MDC_MUSC_UPEXT_FLEX_CARPI_RADIAL	7::664
Muscle Flexor, Carpi, Radialis, Left UpperExtremity Body			Musculus flexor carpi radialis, Left [Flexor carpi radialis muscle, Left, T-13750-LFT]	MDC_MUSC_UPEXT_FLEX_CARPI_RADIAL_L	7::665
Muscle Flexor, Carpi, Radialis, Right UpperExtremity Body			Musculus flexor carpi radialis, Right [Flexor carpi radialis muscle, Right, T-13750-RGT]	MDC_MUSC_UPEXT_FLEX_CARPI_RADIAL_R	7::666
Muscle Palmaris, Longus, NOS UpperExtremity Body			Musculus palmaris longus [Palmaris longus muscle, T-13760]	MDC_MUSC_UPEXT_PALM_AR_LONG	7::668
Muscle Palmaris, Longus, Left UpperExtremity Body			Musculus palmaris longus, Left [Palmaris longus muscle, Left, T-13760-LFT]	MDC_MUSC_UPEXT_PALM_AR_LONG_L	7::669
Muscle Palmaris, Longus, Right UpperExtremity Body			Musculus palmaris longus, Right [Palmaris longus muscle, Right, T-13760-RGT]	MDC_MUSC_UPEXT_PALM_AR_LONG_R	7::670
Muscle Flexor, Carpi, Ulnaris, NOS UpperExtremity Body			Musculus flexor carpi ulnaris [Flexor carpi ulnaris muscle, T-13770]	MDC_MUSC_UPEXT_FLEX_CARPI_ULNAR	7::672
Muscle Flexor, Carpi, Ulnaris, Left UpperExtremity Body			Musculus flexor carpi ulnaris, Left [Flexor carpi ulnaris muscle, Left, T-13770-LFT]	MDC_MUSC_UPEXT_FLEX_CARPI_ULNAR_L	7::673
Muscle Flexor, Carpi, Ulnaris, Right UpperExtremity Body			Musculus flexor carpi ulnaris, Right [Flexor carpi ulnaris muscle, Right, T-13770-RGT]	MDC_MUSC_UPEXT_FLEX_CARPI_ULNAR_R	7::674

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multiple table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Flexor, Digitorum, Superficialis, NOS UpperExtremity Body			Musculus flexor digitorum superficialis [Flexor digitorum superficialis muscle, T-13781]	MDC_MUSC_UPEXT_FLEX_DIGIT_SUPERF	7::676
Muscle Flexor, Digitorum, Superficialis, Left UpperExtremity Body			Musculus flexor digitorum superficialis, Left [Flexor digitorum superficialis muscle, Left, T-13781-LFT]	MDC_MUSC_UPEXT_FLEX_DIGIT_SUPERF_L	7::677
Muscle Flexor, Digitorum, Superficialis, Right UpperExtremity Body			Musculus flexor digitorum superficialis, Right [Flexor digitorum superficialis muscle, Right, T-13781-RGT]	MDC_MUSC_UPEXT_FLEX_DIGIT_SUPERF_R	7::678
Muscle Flexor, Digitorum, Profundus, NOS UpperExtremity Body			Musculus flexor digitorum profundus [Flexor digitorum profundus muscle, T-13784]	MDC_MUSC_UPEXT_FLEX_DIGIT_PROFUND	7::680
Muscle Flexor, Digitorum, Profundus, Left UpperExtremity Body			Musculus flexor digitorum profundus, Left [Flexor digitorum profundus muscle, Left, T-13784-LFT]	MDC_MUSC_UPEXT_FLEX_DIGIT_PROFUND_L	7::681
Muscle Flexor, Digitorum, Profundus, Right UpperExtremity Body			Musculus flexor digitorum profundus, Right [Flexor digitorum profundus muscle, Right, T-13784-RGT]	MDC_MUSC_UPEXT_FLEX_DIGIT_PROFUND_R	7::682
Muscle Flexor, Pollicis, Longus, NOS UpperExtremity Body			Musculus flexor pollicis longus [Flexor pollicis longus muscle, T-13790]	MDC_MUSC_UPEXT_FLEX_POLLIC_LONG	7::684
Muscle Flexor, Pollicis, Longus, Left UpperExtremity Body			Musculus flexor pollicis longus, Left [Flexor pollicis longus muscle, Left, T-13790-LFT]	MDC_MUSC_UPEXT_FLEX_POLLIC_LONG_L	7::685
Muscle Flexor, Pollicis, Longus, Right UpperExtremity Body			Musculus flexor pollicis longus, Right [Flexor pollicis longus muscle, Right, T-13790-RGT]	MDC_MUSC_UPEXT_FLEX_POLLIC_LONG_R	7::686
Muscle Pronator, Quadratus, NOS UpperExtremity Body			Musculus pronator quadratus [Pronator quadratus muscle, T-13810]	MDC_MUSC_UPEXT_PRONATOR_QUADRAT	7::688
Muscle Pronator, Quadratus, Left UpperExtremity Body			Musculus pronator quadratus, Left [Pronator quadratus muscle, Left, T-13810-LFT]	MDC_MUSC_UPEXT_PRONATOR_QUADRAT_L	7::689
Muscle Pronator, Quadratus, Right UpperExtremity Body			Musculus pronator quadratus, Right [Pronator quadratus muscle, Right, T-13810-RGT]	MDC_MUSC_UPEXT_PRONATOR_QUADRAT_R	7::690
Muscle Brachioradialis, NOS UpperExtremity Body			Musculus brachioradialis [Brachioradialis muscle, T-13820]	MDC_MUSC_UPEXT_BRACHIORADIAL	7::692
Muscle Brachioradialis, Left UpperExtremity Body			Musculus brachioradialis, Left [Brachioradialis muscle, Left, T-13820-LFT]	MDC_MUSC_UPEXT_BRACHIORADIAL_L	7::693
Muscle Brachioradialis, Right UpperExtremity Body			Musculus brachioradialis, Right [Brachioradialis muscle, Right, T-13820-RGT]	MDC_MUSC_UPEXT_BRACHIORADIAL_R	7::694

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Extensor, Carpi, Radialis, Longus, Left UpperExtremity Body			Musculus extensor carpi radialis longus [Extensor carpi radialis longus muscle, T-13831]	MDC_MUSC_UPEXT_EXTE NS_CARP_RADIAL_LONG	7::696
Muscle Extensor, Carpi, Radialis, Longus, Left UpperExtremity Body			Musculus extensor carpi radialis longus, Left [Extensor carpi radialis longus muscle, Left, T-13831-LFT]	MDC_MUSC_UPEXT_EXTE NS_CARP_RADIAL_LONG_L	7::697
Muscle Extensor, Carpi, Radialis, Longus, Right UpperExtremity Body			Musculus extensor carpi radialis longus, Right [Extensor carpi radialis longus muscle, Right, T-13831-RGT]	MDC_MUSC_UPEXT_EXTE NS_CARP_RADIAL_LONG_R	7::698
Muscle Extensor, Carpi, Radialis, Brevis, NOS UpperExtremity Body			Musculus extensor carpi radialis brevis [Extensor carpi radialis brevis muscle, T-13832]	MDC_MUSC_UPEXT_EXTE NS_CARP_RADIAL_BREV	7::700
Muscle Extensor, Carpi, Radialis, Brevis, Left UpperExtremity Body			Musculus extensor carpi radialis brevis, Left [Extensor carpi radialis brevis muscle, Left, T-13832-LFT]	MDC_MUSC_UPEXT_EXTE NS_CARP_RADIAL_BREV_L	7::701
Muscle Extensor, Carpi, Radialis, Brevis, Right UpperExtremity Body			Musculus extensor carpi radialis brevis, Right [Extensor carpi radialis brevis muscle, Right, T-13832-RGT]	MDC_MUSC_UPEXT_EXTE NS_CARP_RADIAL_BREV_R	7::702
Muscle Extensor, Digitorum, NOS UpperExtremity Body			Musculus extensor digitorum [Extensor digitorum muscle, T-13840]	MDC_MUSC_UPEXT_EXTE NS_DIGIT	7::704
Muscle Extensor, Digitorum, Left UpperExtremity Body			Musculus extensor digitorum, Left [Extensor digitorum muscle, Left, T-13840-LFT]	MDC_MUSC_UPEXT_EXTE NS_DIGIT_L	7::705
Muscle Extensor, Digitorum, Right UpperExtremity Body			Musculus extensor digitorum, Right [Extensor digitorum muscle, Right, T-13840-RGT]	MDC_MUSC_UPEXT_EXTE NS_DIGIT_R	7::706
Muscle Extensor, Digiti, Minimi, NOS UpperExtremity Body			Musculus extensor digiti minimi [Extensor digiti minimi muscle, T-13842]	MDC_MUSC_UPEXT_EXTE NS_DIGIT_MIN	7::708
Muscle Extensor, Digiti, Minimi, Left UpperExtremity Body			Musculus extensor digiti minimi, Left [Extensor digiti minimi muscle, Left, T-13842-LFT]	MDC_MUSC_UPEXT_EXTE NS_DIGIT_MIN_L	7::709
Muscle Extensor, Digiti, Minimi, Right UpperExtremity Body			Musculus extensor digiti minimi, Right [Extensor digiti minimi muscle, Right, T-13842-RGT]	MDC_MUSC_UPEXT_EXTE NS_DIGIT_MIN_R	7::710
Muscle Extensor, Carpi, Ulnaris, NOS UpperExtremity Body			Musculus extensor carpi ulnaris [Extensor carpi ulnaris muscle, T-13850]	MDC_MUSC_UPEXT_EXTE NS_CARP_ULNAR	7::712
Muscle Extensor, Carpi, Ulnaris, Left UpperExtremity Body			Musculus extensor carpi ulnaris, Left [Extensor carpi ulnaris muscle, Left, T-13850-LFT]	MDC_MUSC_UPEXT_EXTE NS_CARP_ULNAR_L	7::713
Muscle Extensor, Carpi, Ulnaris, Right UpperExtremity Body			Musculus extensor carpi ulnaris, Right [Extensor carpi ulnaris muscle, Right, T-13850-RGT]	MDC_MUSC_UPEXT_EXTE NS_CARP_ULNAR_R	7::714
Muscle Supinator, NOS UpperExtremity Body			Musculus supinator [Supinator muscle, T-13860]	MDC_MUSC_UPEXT_SUPIN ATOR	7::716

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Supinator, Left UpperExtremity Body			Musculus supinator, Left [Supinator muscle, Left, T-13860-LFT]	MDC_MUSC_UPEXT_SUPIN ATOR_L	7::717
Muscle Supinator, Right UpperExtremity Body			Musculus supinator, Right [Supinator muscle, Right, T-13860-RGT]	MDC_MUSC_UPEXT_SUPIN ATOR_R	7::718
Muscle Abductor, Pollicis, Longus, NOS UpperExtremity Body			Musculus abductor pollicis longus [Abductor pollicis longus muscle, T-13881]	MDC_MUSC_UPEXT_ABDU C_POLLIC_LONG	7::720
Muscle Abductor, Pollicis, Longus, Left UpperExtremity Body			Musculus abductor pollicis longus, Left [Abductor pollicis longus muscle, Left, T-13881-LFT]	MDC_MUSC_UPEXT_ABDU C_POLLIC_LONG_L	7::721
Muscle Abductor, Pollicis, Longus, Right UpperExtremity Body			Musculus abductor pollicis longus, Right [Abductor pollicis longus muscle, Right, T-13881-RGT]	MDC_MUSC_UPEXT_ABDU C_POLLIC_LONG_R	7::722
Muscle Extensor, Pollicis, Brevis, NOS UpperExtremity Body			Musculus extensor pollicis brevis [Extensor pollicis brevis muscle, T-13911]	MDC_MUSC_UPEXT_EXTE NS_POLLIC_BREV	7::724
Muscle Extensor, Pollicis, Brevis, Left UpperExtremity Body			Musculus extensor pollicis brevis, Left [Extensor pollicis brevis muscle, Left, T-13911-LFT]	MDC_MUSC_UPEXT_EXTE NS_POLLIC_BREV_L	7::725
Muscle Extensor, Pollicis, Brevis, Right UpperExtremity Body			Musculus extensor pollicis brevis, Right [Extensor pollicis brevis muscle, Right, T-13911-RGT]	MDC_MUSC_UPEXT_EXTE NS_POLLIC_BREV_R	7::726
Muscle Extensor, Pollicis, Longus, NOS UpperExtremity Body			Musculus extensor pollicis longus [Extensor pollicis longus muscle, T-13912]	MDC_MUSC_UPEXT_EXTE NS_POLLIC_LONG	7::728
Muscle Extensor, Pollicis, Longus, Left UpperExtremity Body			Musculus extensor pollicis longus, Left [Extensor pollicis longus muscle, Left, T-13912-LFT]	MDC_MUSC_UPEXT_EXTE NS_POLLIC_LONG_L	7::729
Muscle Extensor, Pollicis, Longus, Right UpperExtremity Body			Musculus extensor pollicis longus, Right [Extensor pollicis longus muscle, Right, T-13912-RGT]	MDC_MUSC_UPEXT_EXTE NS_POLLIC_LONG_R	7::730
Muscle Extensor, Indicis, NOS UpperExtremity Body			Musculus extensor indicis [Extensor indicis muscle, T-13913]	MDC_MUSC_UPEXT_EXTE NS_INDIC	7::732
Muscle Extensor, Indicis, Left UpperExtremity Body			Musculus extensor indicis, Left [Extensor indicis muscle, Left, T-13913-LFT]	MDC_MUSC_UPEXT_EXTE NS_INDIC_L	7::733
Muscle Extensor, Indicis, Right UpperExtremity Body			Musculus extensor indicis, Right [Extensor indicis muscle, Right, T-13913-RGT]	MDC_MUSC_UPEXT_EXTE NS_INDIC_R	7::734
Muscle Palmaris, Brevis, NOS UpperExtremity Body			Musculus palmaris brevis [Palmaris brevis muscle, T-13870]	MDC_MUSC_UPEXT_PALM AR_BREV	7::736
Muscle Palmaris, Brevis, Left UpperExtremity Body			Musculus palmaris brevis, Left [Palmaris brevis muscle, Left, T-13870-LFT]	MDC_MUSC_UPEXT_PALM AR_BREV_L	7::737
Muscle Palmaris, Brevis, Right UpperExtremity Body			Musculus palmaris brevis, Right [Palmaris brevis muscle, Right, T-13870-RGT]	MDC_MUSC_UPEXT_PALM AR_BREV_R	7::738
Muscle Abductor, Pollicis, Brevis, NOS UpperExtremity Body			Musculus abductor pollicis brevis [Abductor pollicis brevis muscle, T-13882]	MDC_MUSC_UPEXT_ABDU C_POLLIC_BREV	7::740

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Abductor, Pollicis, Brevis, Left UpperExtremity Body			Musculus abductor pollicis brevis, Left [Abductor pollicis brevis muscle, Left, T-13882-LFT]	MDC_MUSC_UPEXT_ABDU C_POLLIC_BREV_L	7::741
Muscle Abductor, Pollicis, Brevis, Right UpperExtremity Body			Musculus abductor pollicis brevis, Right [Abductor pollicis brevis muscle, Right, T-13882-RGT]	MDC_MUSC_UPEXT_ABDU C_POLLIC_BREV_R	7::742
Muscle Flexor, Pollicis, Brevis, NOS UpperExtremity Body			Musculus flexor pollicis brevis [Flexor pollicis brevis muscle, T-13890]	MDC_MUSC_UPEXT_FLEX_ POLLIC_BREV	7::744
Muscle Flexor, Pollicis, Brevis, Left UpperExtremity Body			Musculus flexor pollicis brevis, Left [Flexor pollicis brevis muscle, Left, T-13890-LFT]	MDC_MUSC_UPEXT_FLEX_ POLLIC_BREV_L	7::745
Muscle Flexor, Pollicis, Brevis, Right UpperExtremity Body			Musculus flexor pollicis brevis, Right [Flexor pollicis brevis muscle, Right, T-13890-RGT]	MDC_MUSC_UPEXT_FLEX_ POLLIC_BREV_R	7::746
Muscle Opponens, Pollicis, NOS UpperExtremity Body			Musculus opponens pollicis [Opponens pollicis muscle, T-13920]	MDC_MUSC_UPEXT_OPPO N_POLLIC	7::748
Muscle Opponens, Pollicis, Left UpperExtremity Body			Musculus opponens pollicis, Left [Opponens pollicis muscle, Left, T-13920-LFT]	MDC_MUSC_UPEXT_OPPO N_POLLIC_L	7::749
Muscle Opponens, Pollicis, Right UpperExtremity Body			Musculus opponens pollicis, Right [Opponens pollicis muscle, Right, T-13920-RGT]	MDC_MUSC_UPEXT_OPPO N_POLLIC_R	7::750
Muscle Adductor, Pollicis, NOS UpperExtremity Body			Musculus adductor pollicis [Adductor pollicis muscle, T-13930]	MDC_MUSC_UPEXT_ADDU C_POLLIC	7::752
Muscle Adductor, Pollicis, Left UpperExtremity Body			Musculus adductor pollicis, Left [Adductor pollicis muscle, Left, T-13930-LFT]	MDC_MUSC_UPEXT_ADDU C_POLLIC_L	7::753
Muscle Adductor, Pollicis, Right UpperExtremity Body			Musculus adductor pollicis, Right [Adductor pollicis muscle, Right, T-13930-RGT]	MDC_MUSC_UPEXT_ADDU C_POLLIC_R	7::754
Muscle Abductor, Digiti, Minimi, NOS UpperExtremity Body			Musculus abductor digiti minimi [Abductor digiti minimi muscle of hand, T-13940]	MDC_MUSC_UPEXT_ABDU C_DIGIT_MIN	7::756
Muscle Abductor, Digiti, Minimi, Left UpperExtremity Body			Musculus abductor digiti minimi, Left [Abductor digiti minimi muscle of hand, Left, T-13940-LFT]	MDC_MUSC_UPEXT_ABDU C_DIGIT_MIN_L	7::757
Muscle Abductor, Digiti, Minimi, Right UpperExtremity Body			Musculus abductor digiti minimi, Right [Abductor digiti minimi muscle of hand, Right, T-13940-RGT]	MDC_MUSC_UPEXT_ABDU C_DIGIT_MIN_R	7::758
Muscle Flexor, Digiti, Minimi, Brevis, NOS UpperExtremity Body			Musculus flexor digiti minimi brevis [Flexor digiti minimi brevis muscle of hand, T-13950]	MDC_MUSC_UPEXT_FLEX_ DIGIT_BREV_MIN	7::760
Muscle Flexor, Digiti, Minimi, Brevis, Left UpperExtremity Body			Musculus flexor digiti minimi brevis, Left [Flexor digiti minimi brevis muscle of hand, Left, T-13950-LFT]	MDC_MUSC_UPEXT_FLEX_ DIGIT_BREV_MIN_L	7::761
Muscle Flexor, Digiti, Minimi, Brevis, Right UpperExtremity Body			Musculus flexor digiti minimi brevis, Right [Flexor digiti minimi brevis muscle of hand, Right, T-13950-RGT]	MDC_MUSC_UPEXT_FLEX_ DIGIT_BREV_MIN_R	7::762

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles *(multipage table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Opponens, Digiti, Minimi, NOS UpperExtremity Body			Musculus opponens digiti minimi [Opponens digiti minimi muscle of hand, T-13960]	MDC_MUSC_UPEXT_OPPO_N_DIGIT_MIN	7::764
Muscle Opponens, Digiti, Minimi, Left UpperExtremity Body			Musculus opponens digiti minimi, Left [Opponens digiti minimi muscle of hand, Left, T-13960-LFT]	MDC_MUSC_UPEXT_OPPO_N_DIGIT_MIN_L	7::765
Muscle Opponens, Digiti, Minimi, Right UpperExtremity Body			Musculus opponens digiti minimi, Right [Opponens digiti minimi muscle of hand, Right, T-13960-RGT]	MDC_MUSC_UPEXT_OPPO_N_DIGIT_MIN_R	7::766
Muscle Lumbricales, NOS UpperExtremity Body			Musculi lumbricales [Lumbrical muscles of hand, T-13970]	MDC_MUSC_UPEXT_LUMB_RICAL	7::768
Muscle Lumbricales, Left UpperExtremity Body			Musculi lumbricales, Left [Lumbrical muscles of hand, Left, T-13970-LFT]	MDC_MUSC_UPEXT_LUMB_RICAL_L	7::769
Muscle Lumbricales, Right UpperExtremity Body			Musculi lumbricales, Right [Lumbrical muscles of hand, Right, T-13970-RGT]	MDC_MUSC_UPEXT_LUMB_RICAL_R	7::770
Muscle Interossei, Dorsales, NOS UpperExtremity Body			Musculi interossei dorsales [Dorsal interosseous muscles of hand, T-13981]	MDC_MUSC_UPEXT_INTER_OSS_DORSAL	7::772
Muscle Interossei, Dorsales, Left UpperExtremity Body			Musculi interossei dorsales, Left [Dorsal interosseous muscles of hand, Left, T-13981-LFT]	MDC_MUSC_UPEXT_INTER_OSS_DORSAL_L	7::773
Muscle Interossei, Dorsales, Right UpperExtremity Body			Musculi interossei dorsales, Right [Dorsal interosseous muscles of hand, Right, T-13981-RGT]	MDC_MUSC_UPEXT_INTER_OSS_DORSAL_R	7::774
Muscle Interossei, Palmares, NOS UpperExtremity Body			Musculi interossei palmares [Palmar interosseous muscles of hand, T-13982]	MDC_MUSC_UPEXT_INTER_OSS_PALMAR	7::776
Muscle Interossei, Palmares, Left UpperExtremity Body			Musculi interossei palmares, Left [Palmar interosseous muscles of hand, Left, T-13982-LFT]	MDC_MUSC_UPEXT_INTER_OSS_PALMAR_L	7::777
Muscle Interossei, Palmares, Right UpperExtremity Body			Musculi interossei palmares, Right [Palmar interosseous muscles of hand, Right, T-13982-RGT]	MDC_MUSC_UPEXT_INTER_OSS_PALMAR_R	7::778
Muscle Hip, Thigh, NOS LowerExtremity Body			[Muscle of hip and thigh, NOS, T-14400]	MDC_MUSC_LOEXT_HIP_T_HIGH	7::780
Muscle Hip, Thigh, Left LowerExtremity Body			[Muscle of hip and thigh, NOS, Left, T-14400-LFT]	MDC_MUSC_LOEXT_HIP_T_HIGH_L	7::781
Muscle Hip, Thigh, Right LowerExtremity Body			[Muscle of hip and thigh, NOS, Right, T-14400-RGT]	MDC_MUSC_LOEXT_HIP_T_HIGH_R	7::782
Muscle Leg, NOS LowerExtremity Body			[Muscle of leg, NOS, T-14700]	MDC_MUSC_LOEXT_LEG	7::784
Muscle Leg, Left LowerExtremity Body			[Muscle of leg, NOS, Left, T-14700-LFT]	MDC_MUSC_LOEXT_LEG_L	7::785
Muscle Leg, Right LowerExtremity Body			[Muscle of leg, NOS, Right, T-14700-RGT]	MDC_MUSC_LOEXT_LEG_R	7::786

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Foot, NOS LowerExtremity Body			[Muscle of foot, NOS, T-14900]	MDC_MUSC_LOEXT_FOOT	7::788
Muscle Foot, Left LowerExtremity Body			[Muscle of foot, NOS, Left, T-14900-LFT]	MDC_MUSC_LOEXT_FOOT_L	7::789
Muscle Foot, Right LowerExtremity Body			[Muscle of foot, NOS, Right, T-14900-RGT]	MDC_MUSC_LOEXT_FOOT_R	7::790
Muscle Iliopsoas, NOS LowerExtremity Body			Musculus iliopsoas [Iliopsoas muscle, NOS, T-14410]	MDC_MUSC_LOEXT_ILLIOP_S	7::792
Muscle Iliopsoas, Left LowerExtremity Body			Musculus iliopsoas, Left [Iliopsoas muscle, NOS, Left, T-14410-LFT]	MDC_MUSC_LOEXT_ILLIOP_S_L	7::793
Muscle Iliopsoas, Right LowerExtremity Body			Musculus iliopsoas, Right [Iliopsoas muscle, NOS, Right, T-14410-RGT]	MDC_MUSC_LOEXT_ILLIOP_S_R	7::794
Muscle Gluteus, Maximus, NOS LowerExtremity Body			Musculus gluteus maximus [Gluteus maximus muscle, T-14430]	MDC_MUSC_LOEXT_GLUT_MAX	7::796
Muscle Gluteus, Maximus, Left LowerExtremity Body			Musculus gluteus maximus, Left [Gluteus maximus muscle, Left, T-14430-LFT]	MDC_MUSC_LOEXT_GLUT_MAX_L	7::797
Muscle Gluteus, Maximus, Right LowerExtremity Body			Musculus gluteus maximus, Right [Gluteus maximus muscle, Right, T-14430-RGT]	MDC_MUSC_LOEXT_GLUT_MAX_R	7::798
Muscle Gluteus, Medius, NOS LowerExtremity Body			Musculus gluteus medius [Gluteus medius muscle, T-14440]	MDC_MUSC_LOEXT_GLUT_MED	7::800
Muscle Gluteus, Medius, Left LowerExtremity Body			Musculus gluteus medius, Left [Gluteus medius muscle, Left, T-14440-LFT]	MDC_MUSC_LOEXT_GLUT_MED_L	7::801
Muscle Gluteus, Medius, Right LowerExtremity Body			Musculus gluteus medius, Right [Gluteus medius muscle, Right, T-14440-RGT]	MDC_MUSC_LOEXT_GLUT_MED_R	7::802
Muscle Gluteus, Minimus, NOS LowerExtremity Body			Musculus gluteus minimus [Gluteus minimus muscle, T-14450]	MDC_MUSC_LOEXT_GLUT_MIN	7::804
Muscle Gluteus, Minimus, Left LowerExtremity Body			Musculus gluteus minimus, Left [Gluteus minimus muscle, Left, T-14450-LFT]	MDC_MUSC_LOEXT_GLUT_MIN_L	7::805
Muscle Gluteus, Minimus, Right LowerExtremity Body			Musculus gluteus minimus, Right [Gluteus minimus muscle, Right, T-14450-RGT]	MDC_MUSC_LOEXT_GLUT_MIN_R	7::806
Muscle Tensor, Fasciae, Latae, NOS LowerExtremity Body			Musculus tensor fasciae latae [Tensor fasciae latae muscle, T-14451]	MDC_MUSC_LOEXT_TENS_OR_FASC_LAT	7::808
Muscle Tensor, Fasciae, Latae, Left LowerExtremity Body			Musculus tensor fasciae latae, Left [Tensor fasciae latae muscle, Left, T-14451-LFT]	MDC_MUSC_LOEXT_TENS_OR_FASC_LAT_L	7::809
Muscle Tensor, Fasciae, Latae, Right LowerExtremity Body			Musculus tensor fasciae latae, Right [Tensor fasciae latae muscle, Right, T-14451-RGT]	MDC_MUSC_LOEXT_TENS_OR_FASC_LAT_R	7::810

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Piriformis, NOS LowerExtremity Body			Musculus piriformis [Piriform muscle, T-14460]	MDC_MUSC_LOEXT_PIRIF_OR_M	7::812
Muscle Piriformis, Left LowerExtremity Body			Musculus piriformis, Left [Piriform muscle, Left, T-14460-LFT]	MDC_MUSC_LOEXT_PIRIF_OR_M_L	7::813
Muscle Piriformis, Right LowerExtremity Body			Musculus piriformis, Right [Piriform muscle, Right, T-14460-RGT]	MDC_MUSC_LOEXT_PIRIF_OR_M_R	7::814
Muscle Obturator, NOS LowerExtremity Body			Musculus obturator [Obturator muscle, NOS, T-14420]	MDC_MUSC_LOEXT_OBTU_RATOR	7::816
Muscle Obturator, Left LowerExtremity Body			Musculus obturator, Left [Obturator muscle, NOS, Left, T-14420-LFT]	MDC_MUSC_LOEXT_OBTU_RATOR_L	7::817
Muscle Obturator, Right LowerExtremity Body			Musculus obturator, Right [Obturator muscle, NOS, Right, T-14420-RGT]	MDC_MUSC_LOEXT_OBTU_RATOR_R	7::818
Muscle Gemellus, NOS LowerExtremity Body			Musculus gmellus [Gemellus muscle, NOS, T-14470]	MDC_MUSC_LOEXT_GEME_L	7::820
Muscle Gemellus, Left LowerExtremity Body			Musculus gmellus, Left [Gemellus muscle, NOS, Left, T-14470-LFT]	MDC_MUSC_LOEXT_GEME_L_L	7::821
Muscle Gemellus, Right LowerExtremity Body			Musculus gmellus, Right [Gemellus muscle, NOS, Right, T-14470-RGT]	MDC_MUSC_LOEXT_GEME_L_R	7::822
Muscle Quadratus, Femoris, NOS LowerExtremity Body			Musculus quadratus femoris [Quadratus femoris muscle, T-14480]	MDC_MUSC_LOEXT_QUAD_RAT_FEMOR	7::824
Muscle Quadratus, Femoris, Left LowerExtremity Body			Musculus quadratus femoris, Left [Quadratus femoris muscle, Left, T-14480-LFT]	MDC_MUSC_LOEXT_QUAD_RAT_FEMOR_L	7::825
Muscle Quadratus, Femoris, Right LowerExtremity Body			Musculus quadratus femoris, Right [Quadratus femoris muscle, Right, T-14480-RGT]	MDC_MUSC_LOEXT_QUAD_RAT_FEMOR_R	7::826
Muscle Sartorius, NOS LowerExtremity Body			Musculus sartorius [Sartorius muscle, T-14490]	MDC_MUSC_LOEXT_SART_OR	7::828
Muscle Sartorius, Left LowerExtremity Body			Musculus sartorius, Left [Sartorius muscle, Left, T-14490-LFT]	MDC_MUSC_LOEXT_SART_OR_L	7::829
Muscle Sartorius, Right LowerExtremity Body			Musculus sartorius, Right [Sartorius muscle, Right, T-14490-RGT]	MDC_MUSC_LOEXT_SART_OR_R	7::830
Muscle Quadriceps, Femoris, NOS LowerExtremity Body			Musculus quadriceps femoris [Quadriceps femoris muscle, T-14550]	MDC_MUSC_LOEXT_QUAD_RICEPS_FEMOR	7::832
Muscle Quadriceps, Femoris, Left LowerExtremity Body			Musculus quadriceps femoris, Left [Quadriceps femoris muscle, Left, T-14550-LFT]	MDC_MUSC_LOEXT_QUAD_RICEPS_FEMOR_L	7::833
Muscle Quadriceps, Femoris, Right LowerExtremity Body			Musculus quadriceps femoris, Right [Quadriceps femoris muscle, Right, T-14550-RGT]	MDC_MUSC_LOEXT_QUAD_RICEPS_FEMOR_R	7::834

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles *(multipage table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Rectus, Femoris, NOS LowerExtremity Body			Musculus rectus femoris [Rectus femoris muscle, T-14560]	MDC_MUSC_LOEXT_RECT_FEMOR	7::836
Muscle Rectus, Femoris, Left LowerExtremity Body			Musculus rectus femoris, Left [Rectus femoris muscle, Left, T-14560-LFT]	MDC_MUSC_LOEXT_RECT_FEMOR_L	7::837
Muscle Rectus, Femoris, Right LowerExtremity Body			Musculus rectus femoris, Right [Rectus femoris muscle, Right, T-14560-RGT]	MDC_MUSC_LOEXT_RECT_FEMOR_R	7::838
Muscle Vastus, Lateralis, NOS LowerExtremity Body			Musculus vastus lateralis [Vastus lateralis muscle, T-14570]	MDC_MUSC_LOEXT_VAST_LAT	7::840
Muscle Vastus, Lateralis, Left LowerExtremity Body			Musculus vastus lateralis, Left [Vastus lateralis muscle, Left, T-14570-LFT]	MDC_MUSC_LOEXT_VAST_LAT_L	7::841
Muscle Vastus, Lateralis, Right LowerExtremity Body			Musculus vastus lateralis, Right [Vastus lateralis muscle, Right, T-14570-RGT]	MDC_MUSC_LOEXT_VAST_LAT_R	7::842
Muscle Vastus, Intermedius, NOS LowerExtremity Body			Musculus vastus intermedius [Vastus intermedius muscle, T-14620]	MDC_MUSC_LOEXT_VAST_INTERMED	7::844
Muscle Vastus, Intermedius, Left LowerExtremity Body			Musculus vastus intermedius, Left [Vastus intermedius muscle, Left, T-14620-LFT]	MDC_MUSC_LOEXT_VAST_INTERMED_L	7::845
Muscle Vastus, Intermedius, Right LowerExtremity Body			Musculus vastus intermedius, Right [Vastus intermedius muscle, Right, T-14620-RGT]	MDC_MUSC_LOEXT_VAST_INTERMED_R	7::846
Muscle Vastus, Medialis, NOS LowerExtremity Body			Musculus vastus medialis [Vastus medialis muscle, T-14580]	MDC_MUSC_LOEXT_VAST_MED	7::848
Muscle Vastus, Medialis, Left LowerExtremity Body			Musculus vastus medialis, Left [Vastus medialis muscle, Left, T-14580-LFT]	MDC_MUSC_LOEXT_VAST_MED_L	7::849
Muscle Vastus, Medialis, Right LowerExtremity Body			Musculus vastus medialis, Right [Vastus medialis muscle, T-14580]	MDC_MUSC_LOEXT_VAST_MED_R	7::850
Muscle Pectineus, NOS LowerExtremity Body			Musculus pectineus [Pectineus muscle, T-14610]	MDC_MUSC_LOEXT_PECTI_N	7::852
Muscle Pectineus, Left LowerExtremity Body			Musculus pectineus, Left [Pectineus muscle, Left, T-14610-LFT]	MDC_MUSC_LOEXT_PECTI_N_L	7::853
Muscle Pectineus, Right LowerExtremity Body			Musculus pectineus, Right [Pectineus muscle, T-14610]	MDC_MUSC_LOEXT_PECTI_N_R	7::854
Muscle Adductor, Longus, NOS LowerExtremity Body			Musculus adductor longus [Adductor longus muscle, T-14520]	MDC_MUSC_LOEXT_ABDU_C_LONG	7::856
Muscle Adductor, Longus, Left LowerExtremity Body			Musculus adductor longus, Left [Adductor longus muscle, Left, T-14520-LFT]	MDC_MUSC_LOEXT_ABDU_C_LONG_L	7::857
Muscle Adductor, Longus, Right LowerExtremity Body			Musculus adductor longus, Right [Adductor longus muscle, T-14520]	MDC_MUSC_LOEXT_ABDU_C_LONG_R	7::858

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Adductor, Brevis, NOS LowerExtremity Body			Musculus adductor brevis [Adductor brevis muscle, T-14510]	MDC_MUSC_LOEXT_ABDU C_BREV	7::860
Muscle Adductor, Brevis, Left LowerExtremity Body			Musculus adductor brevis, Left [Adductor brevis muscle, Left, T-14510-LFT]	MDC_MUSC_LOEXT_ABDU C_BREV_L	7::861
Muscle Adductor, Brevis, Right LowerExtremity Body			Musculus adductor brevis, Right [Adductor brevis muscle, T-14510]	MDC_MUSC_LOEXT_ABDU C_BREV_R	7::862
Muscle Adductor, Magnus, NOS LowerExtremity Body			Musculus adductor magnus [Adductor magnus muscle, T-14530]	MDC_MUSC_LOEXT_ABDU C_MAGN	7::864
Muscle Adductor, Magnus, Left LowerExtremity Body			Musculus adductor magnus, Left [Adductor magnus muscle, Left, T-14530-LFT]	MDC_MUSC_LOEXT_ABDU C_MAGN_L	7::865
Muscle Adductor, Magnus, Right LowerExtremity Body			Musculus adductor magnus, Right [Adductor magnus muscle, T-14530]	MDC_MUSC_LOEXT_ABDU C_MAGN_R	7::866
Muscle Gracilis, NOS LowerExtremity Body			Musculus gracilis [Gracilis muscle, T-14540]	MDC_MUSC_LOEXT_GRACI L	7::868
Muscle Gracilis, Left LowerExtremity Body			Musculus gracilis, Left [Gracilis muscle, Left, T-14540-LFT]	MDC_MUSC_LOEXT_GRACI L_L	7::869
Muscle Gracilis, Right LowerExtremity Body			Musculus gracilis, Right [Gracilis muscle, T-14540]	MDC_MUSC_LOEXT_GRACI L_R	7::870
Muscle Biceps, Femoris, NOS LowerExtremity Body			Musculus biceps femoris [Biceps femoris muscle, T-14630]	MDC_MUSC_LOEXT_BICEP S_FEMOR	7::872
Muscle Biceps, Femoris, Left LowerExtremity Body			Musculus biceps femoris, Left [Biceps femoris muscle, Left, T-14630-LFT]	MDC_MUSC_LOEXT_BICEP S_FEMOR_L	7::873
Muscle Biceps, Femoris, Right LowerExtremity Body			Musculus biceps femoris, Right [Biceps femoris muscle, T-14630]	MDC_MUSC_LOEXT_BICEP S_FEMOR_R	7::874
Muscle Biceps, Femoris, Caput, Longum, NOS LowerExtremity Body			Musculus biceps femoris Caput longum [Biceps femoris muscle, long head, T-14631]	MDC_MUSC_LOEXT_BICEP S_FEMOR_LONG	7::876
Muscle Biceps, Femoris, Caput, Longum, Left LowerExtremity Body			Musculus biceps femoris Caput longum, Left [Biceps femoris muscle, long head, Left, T-14631-LFT]	MDC_MUSC_LOEXT_BICEP S_FEMOR_LONG_L	7::877
Muscle Biceps, Femoris, Caput, Longum, Right LowerExtremity Body			Musculus biceps femoris Caput longum, Right [Biceps femoris muscle, long head, Right, T-14631-RGT]	MDC_MUSC_LOEXT_BICEP S_FEMOR_LONG_R	7::878
Muscle Biceps, Femoris, Caput, Brevis, NOS LowerExtremity Body			Musculus biceps femoris Caput breve [Biceps femoris muscle, short head, T-14632]	MDC_MUSC_LOEXT_BICEP S_FEMOR_BREV	7::880
Muscle Biceps, Femoris, Caput, Brevis, Left LowerExtremity Body			Musculus biceps femoris Caput breve, Left [Biceps femoris muscle, short head, Left, T-14632-LFT]	MDC_MUSC_LOEXT_BICEP S_FEMOR_BREV_L	7::881

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Biceps, Femoris, Caput, Brevis, Right LowerExtremity Body			Musculus biceps femoris Caput breve, Right [Biceps femoris muscle, short head, Right, T-14632-RGT]	MDC_MUSC_LOEXT_BICEP S_FEMOR_BREV_R	7::882
Muscle Semitendinosus, NOS LowerExtremity Body			Musculus semitendinosus [Semitendinosus muscle, T-14650]	MDC_MUSC_LOEXT_SEMIT ENDIN	7::884
Muscle Semitendinosus, Left LowerExtremity Body			Musculus semitendinosus, Left [Semitendinosus muscle, Left, T-14650-LFT]	MDC_MUSC_LOEXT_SEMIT ENDIN_L	7::885
Muscle Semitendinosus, Right LowerExtremity Body			Musculus semitendinosus, Right [Semitendinosus muscle, Right, T-14650-RGT]	MDC_MUSC_LOEXT_SEMIT ENDIN_R	7::886
Muscle Semimembranosus, NOS LowerExtremity Body			Musculus semimembranosus [Semimembranosus muscle, T-14640]	MDC_MUSC_LOEXT_SEMI MEMBRAN	7::888
Muscle Semimembranosus, Left LowerExtremity Body			Musculus semimembranosus, Left [Semimembranosus muscle, Left, T-14640-LFT]	MDC_MUSC_LOEXT_SEMI MEMBRAN_L	7::889
Muscle Semimembranosus, Right LowerExtremity Body			Musculus semimembranosus, Right [Semimembranosus muscle, Right, T-14640-RGT]	MDC_MUSC_LOEXT_SEMI MEMBRAN_R	7::890
Muscle Tibialis, Anterior, NOS LowerExtremity Body			Musculus tibialis anterior [Tibialis anterior muscle, T-14760]	MDC_MUSC_LOEXT_TIBIAL _ANT	7::892
Muscle Tibialis, Anterior, Left LowerExtremity Body			Musculus tibialis anterior, Left [Tibialis anterior muscle, Left, T-14760-LFT]	MDC_MUSC_LOEXT_TIBIAL _ANT_L	7::893
Muscle Tibialis, Anterior, Right LowerExtremity Body			Musculus tibialis anterior, Right [Tibialis anterior muscle, Right, T-14760-RGT]	MDC_MUSC_LOEXT_TIBIAL _ANT_R	7::894
Muscle Extensor, Digitorum, Longus, NOS LowerExtremity Body			Musculus extensor digitorum longus [Extensor digitorum longus muscle, T-14780]	MDC_MUSC_LOEXT_EXTE NS_DIGIT_LONG	7::896
Muscle Extensor, Digitorum, Longus, Left LowerExtremity Body			Musculus extensor digitorum longus, Left [Extensor digitorum longus muscle, Left, T-14780-LFT]	MDC_MUSC_LOEXT_EXTE NS_DIGIT_LONG_L	7::897
Muscle Extensor, Digitorum, Longus, Right LowerExtremity Body			Musculus extensor digitorum longus, Right [Extensor digitorum longus muscle, Right, T-14780-RGT]	MDC_MUSC_LOEXT_EXTE NS_DIGIT_LONG_R	7::898
Muscle Extensor, Hallucis, Longus, NOS LowerExtremity, Leg Body			Musculus extensor hallucis longus [Extensor hallucis longus muscle, T-14790]	MDC_MUSC_LOEXT_EXTE NS_HALLUC_LONG	7::900
Muscle Extensor, Hallucis, Longus, Left LowerExtremity, Leg Body			Musculus extensor hallucis longus, Left [Extensor hallucis longus muscle, Left, T-14790-LFT]	MDC_MUSC_LOEXT_EXTE NS_HALLUC_LONG_L	7::901
Muscle Extensor, Hallucis, Longus, Right LowerExtremity, Leg Body			Musculus extensor hallucis longus, Right [Extensor hallucis longus muscle, Right, T-14790-RGT]	MDC_MUSC_LOEXT_EXTE NS_HALLUC_LONG_R	7::902
Muscle Peroneus, NOS LowerExtremity Body			[Peroneal muscle, NOS, T-14810]	MDC_MUSC_LOEXT_PERO N	7::904

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles *(multipage table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Peroneus, Left LowerExtremity Body			[Peroneal muscle, NOS, Left, T-14810-LFT]	MDC_MUSC_LOEXT_PERO_N_L	7::905
Muscle Peroneus, Right LowerExtremity Body			[Peroneal muscle, NOS, Right, T-14810-RGT]	MDC_MUSC_LOEXT_PERO_N_R	7::906
Muscle Peroneus, Longus, NOS LowerExtremity Body			Musculus peroneus longus [Peroneus longus muscle, T-14811]	MDC_MUSC_LOEXT_PERO_N_LONG	7::908
Muscle Peroneus, Longus, Left LowerExtremity Body			Musculus peroneus longus, Left [Peroneus longus muscle, Left, T-14811-LFT]	MDC_MUSC_LOEXT_PERO_N_LONG_L	7::909
Muscle Peroneus, Longus, Right LowerExtremity Body			Musculus peroneus longus, Right [Peroneus longus muscle, Right, T-14811-RGT]	MDC_MUSC_LOEXT_PERO_N_LONG_R	7::910
Muscle Peroneus, Brevis, NOS LowerExtremity Body			Musculus peroneus brevis [Peroneus brevis muscle, T-14812]	MDC_MUSC_LOEXT_PERO_N_BREV	7::912
Muscle Peroneus, Brevis, Left LowerExtremity Body			Musculus peroneus brevis, Left [Peroneus brevis muscle, Left, T-14812-LFT]	MDC_MUSC_LOEXT_PERO_N_BREV_L	7::913
Muscle Peroneus, Brevis, Right LowerExtremity Body			Musculus peroneus brevis, Right [Peroneus brevis muscle, Right, T-14812-RGT]	MDC_MUSC_LOEXT_PERO_N_BREV_R	7::914
Muscle Triceps, Surae, NOS LowerExtremity Body			Musculustriceps surae [Triceps surae muscle, T-14720]	MDC_MUSC_LOEXT_TRICE_PS_SUR	7::916
Muscle Triceps, Surae, Left LowerExtremity Body			Musculustriceps surae, Left [Triceps surae muscle, Left, T-14720-LFT]	MDC_MUSC_LOEXT_TRICE_PS_SUR_L	7::917
Muscle Triceps, Surae, Right LowerExtremity Body			Musculustriceps surae, Right [Triceps surae muscle, Right, T-14720-RGT]	MDC_MUSC_LOEXT_TRICE_PS_SUR_R	7::918
Muscle Gastrocnemius, NOS LowerExtremity Body			Musculus gastrocnemius [Gastrocnemius muscle, T-14730]	MDC_MUSC_LOEXT_GAST_ROCNEM	7::920
Muscle Gastrocnemius, Left LowerExtremity Body			Musculus gastrocnemius, Left [Gastrocnemius muscle, Left, T-14730-LFT]	MDC_MUSC_LOEXT_GAST_ROCNEM_L	7::921
Muscle Gastrocnemius, Right LowerExtremity Body			Musculus gastrocnemius, Right [Gastrocnemius muscle, Right, T-14730-RGT]	MDC_MUSC_LOEXT_GAST_ROCNEM_R	7::922
Muscle Gastrocnemius, Caput, Laterale, NOS LowerExtremity Body			Musculus gastrocnemius Caput laterale [Gastrocnemius muscle, lateral head, T-14731]	MDC_MUSC_LOEXT_GAST_ROCNEM_LAT	7::924
Muscle Gastrocnemius, Caput, Laterale, Left LowerExtremity Body			Musculus gastrocnemius Caput laterale, Left [Gastrocnemius muscle, lateral head, Left, T-14731-LFT]	MDC_MUSC_LOEXT_GAST_ROCNEM_LAT_L	7::925
Muscle Gastrocnemius, Caput, Laterale, Right LowerExtremity Body			Musculus gastrocnemius Caput laterale, Right [Gastrocnemius muscle, lateral head, Right, T-14731-RGT]	MDC_MUSC_LOEXT_GAST_ROCNEM_LAT_R	7::926

**Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near or in muscles** (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Gastrocnemius, Caput, Mediale, NOS LowerExtremity Body			Musculus gastrocnemius Caput mediale [Gastrocnemius muscle, medial head, T-14732]	MDC_MUSC_LOEXT_GAST ROCNEM_MED	7::928
Muscle Gastrocnemius, Caput, Mediale, Left LowerExtremity Body			Musculus gastrocnemius Caput mediale, Left [Gastrocnemius muscle, medial head, Left, T-14732-LFT]	MDC_MUSC_LOEXT_GAST ROCNEM_MED_L	7::929
Muscle Gastrocnemius, Caput, Mediale, Right LowerExtremity Body			Musculus gastrocnemius Caput mediale, Right [Gastrocnemius muscle, medial head, Right, T-14732-RGT]	MDC_MUSC_LOEXT_GAST ROCNEM_MED_R	7::930
Muscle Soleus, NOS LowerExtremity Body			Musculus soleus [Soleus muscle, T-14740]	MDC_MUSC_LOEXT_SOL	7::932
Muscle Soleus, Left LowerExtremity Body			Musculus soleus, Left [Soleus muscle, Left, T-14740-LFT]	MDC_MUSC_LOEXT_SOL_L	7::933
Muscle Soleus, Right LowerExtremity Body			Musculus soleus, Right [Soleus muscle, Right, T-14740-RGT]	MDC_MUSC_LOEXT_SOL_R	7::934
Muscle Plantaris, NOS LowerExtremity Body			Musculus plantaris [Plantaris muscle, T-14750]	MDC_MUSC_LOEXT_PLAN TAR	7::936
Muscle Plantaris, Left LowerExtremity Body			Musculus plantaris, Left [Plantaris muscle, Left, T-14750-LFT]	MDC_MUSC_LOEXT_PLAN TAR_L	7::937
Muscle Plantaris, Right LowerExtremity Body			Musculus plantaris, Right [Plantaris muscle, Right, T-14750-RGT]	MDC_MUSC_LOEXT_PLAN TAR_R	7::938
Muscle Popliteus, NOS LowerExtremity Body			Musculus popliteus [Popliteal muscle, T-14710]	MDC_MUSC_LOEXT_POPLI T	7::940
Muscle Popliteus, Left LowerExtremity Body			Musculus popliteus, Left [Popliteal muscle, Left, T-14710-LFT]	MDC_MUSC_LOEXT_POPLI T_L	7::941
Muscle Popliteus, Right LowerExtremity Body			Musculus popliteus, Right [Popliteal muscle, Right, T-14710-RGT]	MDC_MUSC_LOEXT_POPLI T_R	7::942
Muscle Tibialis, Posterior, NOS LowerExtremity Body			Musculus tibialis posterior [Tibialis posterior muscle, T-14770]	MDC_MUSC_LOEXT_TIBIAL _POST	7::944
Muscle Tibialis, Posterior, Left LowerExtremity Body			Musculus tibialis posterior, Left [Tibialis posterior muscle, Left, T-14770-LFT]	MDC_MUSC_LOEXT_TIBIAL _POST_L	7::945
Muscle Tibialis, Posterior, Right LowerExtremity Body			Musculus tibialis posterior, Right [Tibialis posterior muscle, Right, T-14770-RGT]	MDC_MUSC_LOEXT_TIBIAL _POST_R	7::946
Muscle Flexor, Digitorum, Longus, NOS LowerExtremity Body			Musculus flexor digitorum longus [Flexor digitorum longus muscle, T-14820]	MDC_MUSC_LOEXT_FLEX_ DIGIT_LONG	7::948
Muscle Flexor, Digitorum, Longus, Left LowerExtremity Body			Musculus flexor digitorum longus, Left [Flexor digitorum longus muscle, Left, T-14820-LFT]	MDC_MUSC_LOEXT_FLEX_ DIGIT_LONG_L	7::949

**Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring:
locations near or in muscles** *(multipage table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Flexor, Digitorum, Longus, Right LowerExtremity Body			Musculus flexor digitorum longus, Right [Flexor digitorum longus muscle, Right, T-14820-RGT]	MDC_MUSC_LOEXT_FLEX_DIGIT_LONG_R	7::950
Muscle Extensor, Hallucis, Brevis, NOS LowerExtremity, Leg Body			Musculus extensor hallucis brevis [Extensor hallucis brevis muscle, T-14791]	MDC_MUSC_LOEXT_EXTE_NS_HALLUC_BREV	7::952
Muscle Extensor, Hallucis, Brevis, Left LowerExtremity, Leg Body			Musculus extensor hallucis brevis, Left [Extensor hallucis brevis muscle, Left, T-14791-LFT]	MDC_MUSC_LOEXT_EXTE_NS_HALLUC_BREV_L	7::953
Muscle Extensor, Hallucis, Brevis, Right LowerExtremity, Leg Body			Musculus extensor hallucis brevis, Right [Extensor hallucis brevis muscle, Right, T-14791-RGT]	MDC_MUSC_LOEXT_EXTE_NS_HALLUC_BREV_R	7::954
Muscle Extensor, Digitorum, Brevis, NOS LowerExtremity Body			Musculus extensor digitorum brevis [Extensor digitorum brevis muscle, T-14781]	MDC_MUSC_LOEXT_EXTE_NS_DIGIT_BREV	7::956
Muscle Extensor, Digitorum, Brevis, Left LowerExtremity Body			Musculus extensor digitorum brevis, Left [Extensor digitorum brevis muscle, Left, T-14781-LFT]	MDC_MUSC_LOEXT_EXTE_NS_DIGIT_BREV_L	7::957
Muscle Extensor, Digitorum, Brevis, Right LowerExtremity Body			Musculus extensor digitorum brevis, Right [Extensor digitorum brevis muscle, Right, T-14781-RGT]	MDC_MUSC_LOEXT_EXTE_NS_DIGIT_BREV_R	7::958
Muscle Abductor, Hallucis, NOS LowerExtremity Body			Musculus abductor hallucis [Abductor hallucis muscle, T-14990]	MDC_MUSC_LOEXT_ABDU_C_HALLUC	7::960
Muscle Abductor, Hallucis, Left LowerExtremity Body			Musculus abductor hallucis, Left [Abductor hallucis muscle, Left, T-14990-LFT]	MDC_MUSC_LOEXT_ABDU_C_HALLUC_L	7::961
Muscle Abductor, Hallucis, Right LowerExtremity Body			Musculus abductor hallucis, Right [Abductor hallucis muscle, Right, T-14990-RGT]	MDC_MUSC_LOEXT_ABDU_C_HALLUC_R	7::962
Muscle Flexor, Hallucis, Brevis, NOS LowerExtremity Body			Musculus flexor hallucis brevis [Flexor hallucis brevis muscle, T-14940]	MDC_MUSC_LOEXT_FLEX_HALLUC_BREV	7::964
Muscle Flexor, Hallucis, Brevis, Left LowerExtremity Body			Musculus flexor hallucis brevis, Left [Flexor hallucis brevis muscle, Left, T-14940-LFT]	MDC_MUSC_LOEXT_FLEX_HALLUC_BREV_L	7::965
Muscle Flexor, Hallucis, Brevis, Right LowerExtremity Body			Musculus flexor hallucis brevis, Right [Flexor hallucis brevis muscle, Right, T-14940-RGT]	MDC_MUSC_LOEXT_FLEX_HALLUC_BREV_R	7::966
Muscle Adductor, Hallucis, NOS LowerExtremity Body			Musculus adductor hallucis [Adductor hallucis muscle, T-14950]	MDC_MUSC_LOEXT_ADDU_C_HALLUC	7::968
Muscle Adductor, Hallucis, Left LowerExtremity Body			Musculus adductor hallucis, Left [Adductor hallucis muscle, Left, T-14950-LFT]	MDC_MUSC_LOEXT_ADDU_C_HALLUC_L	7::969
Muscle Adductor, Hallucis, Right LowerExtremity Body			Musculus adductor hallucis [Adductor hallucis muscle, Right, T-14950-RGT]	MDC_MUSC_LOEXT_ADDU_C_HALLUC_R	7::970
Muscle Abductor, Digiti, Minimi, NOS LowerExtremity Body			Musculus abductor digiti minimi [Abductor digiti minimi muscle of foot, T-14910]	MDC_MUSC_LOEXT_ABDU_C_DIGIT_MIN	7::972
Muscle Abductor, Digiti, Minimi, Left LowerExtremity Body			Musculus abductor digiti minimi, Left [Abductor digiti minimi muscle of foot, Left, T-14910-LFT]	MDC_MUSC_LOEXT_ABDU_C_DIGIT_MIN_L	7::973

Table A.8.3.5.1—Nomenclature and codes for sites for neurophysiological signal monitoring: locations near or in muscles (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Muscle Abductor, Digiti, Minimi, Right LowerExtremity Body			Musculus abductor digiti minimi [Abductor digiti minimi muscle of foot, Right, T-14910-RGT]	MDC_MUSC_LOEXT_ABDU C_DIGIT_MIN_R	7::974
Muscle Flexor, Digiti, Minimi, Brevis, NOS LowerExtremity Body			Musculus flexor digiti minimi brevis [Flexor digiti minimi brevis muscle of foot, T-14960]	MDC_MUSC_LOEXT_FLEX_ DIGIT_BREV_MIN	7::976
Muscle Flexor, Digiti, Minimi, Brevis, Left LowerExtremity Body			Musculus flexor digiti minimi brevis, Left [Flexor digiti minimi brevis muscle of foot, Left, T-14960-LFT]	MDC_MUSC_LOEXT_FLEX_ DIGIT_BREV_MIN_L	7::977
Muscle Flexor, Digiti, Minimi, Brevis, Right LowerExtremity Body			Musculus flexor digiti minimi brevis, Right [Flexor digiti minimi brevis muscle of foot, Right, T-14960-RGT]	MDC_MUSC_LOEXT_FLEX_ DIGIT_BREV_MIN_R	7::978
Muscle Quadratus, Plantae, NOS LowerExtremity Body			Musculus quadratus plantae [Quadratus plantae muscle, T-14920]	MDC_MUSC_LOEXT_QUAD RAT_PLANT	7::980
Muscle Quadratus, Plantae, Left LowerExtremity Body			Musculus quadratus plantae, Left [Quadratus plantae muscle, Left, T-14920-LFT]	MDC_MUSC_LOEXT_QUAD RAT_PLANT_L	7::981
Muscle Quadratus, Plantae, Right LowerExtremity Body			Musculus quadratus plantae, Right [Quadratus plantae muscle, Right, T-14920-RGT]	MDC_MUSC_LOEXT_QUAD RAT_PLANT_R	7::982
Muscle Lumbricales, NOS LowerExtremity Body			Musculi lunbricales [Lumbricales pedis muscle, T-14930]	MDC_MUSC_LOEXT_LUMB RICAL	7::984
Muscle Lumbricales, Left LowerExtremity Body			Musculi lunbricales, Left [Lumbricales pedis muscle, Left, T-14930-LFT]	MDC_MUSC_LOEXT_LUMB RICAL_L	7::985
Muscle Lumbricales, Right LowerExtremity Body			Musculi lunbricales, Right [Lumbricales pedis muscle, Right, T-14930-RGT]	MDC_MUSC_LOEXT_LUMB RICAL_R	7::986
Muscle Interossei, Dorsales, NOS LowerExtremity Body			Musculus interossei dorsales [Interosseous dorsales muscles, T-14980]	MDC_MUSC_LOEXT_INTER OSS_DORSAL	7::988
Muscle Interossei, Dorsales, Left LowerExtremity Body			Musculus interossei dorsales, Left [Interosseous dorsales muscles, Left, T-14980-LFT]	MDC_MUSC_LOEXT_INTER OSS_DORSAL_L	7::989
Muscle Interossei, Dorsales, Right LowerExtremity Body			Musculus interossei dorsales, Right [Interosseous dorsales muscles, Right, T-14980-RGT]	MDC_MUSC_LOEXT_INTER OSS_DORSAL_R	7::990
Muscle Interossei, Plantares, NOS LowerExtremity Body			Musculus interossei plantares [Interosseous plantares muscles, T-14970]	MDC_MUSC_LOEXT_INTER OSS_PLANTAR	7::992
Muscle Interossei, Plantares, Left LowerExtremity Body			Musculus interossei plantares, Left [Interosseous plantares muscles, Left, T-14970-LFT]	MDC_MUSC_LOEXT_INTER OSS_PLANTAR_L	7::993
Muscle Interossei, Plantares, Right LowerExtremity Body			Musculus interossei plantares, Right [Interosseous plantares muscles, Right, T-14970-RGT]	MDC_MUSC_LOEXT_INTER OSS_PLANTAR_R	7::994

A.8.4 Sites for EEG-electrode placement on the head**A.8.4.1 Introduction**

Subclause A.8.4 holds nomenclature for electrode positions in EEG measurements. The electrode placement is specified according to the well-known and internationally accepted 10–20 system. The electrode positions are defined using two arcs over anatomically well-defined lines:

- The line between nasion and inion. Along this arc, the areas such as frontal, central, parietal, temporal, etc., are defined.
- The line between left ear and right ear. Along this arc, the positions are numbered: odd numbers describe positions on the left hemisphere; even numbers, right hemisphere. The letter z, e.g., in Pz, denotes medial positions, straight over the line between nasion and inion.

A.8.4.2 Base concept

In this special case, only one descriptor is applicable:

- **Head** (an electrode position on the head, especially according to 10–20 system)

A.8.4.3 First set of differentiating criteria

The second field of the systematic name refers to the position of the electrode on the skull. It is possible to have more than one semantic link and/or descriptor.

A.8.4.3.1 Semantic link "*belongs to area along line from nasion to inion:*"

Applicable descriptors are as follows:

- **Anterior**
- **Central**
- **Frontal**
- **Occipital**
- **Parietal**
- **Polar**

A.8.4.3.2 Semantic link "*belongs to lateral head:*"

Applicable descriptors are as follows:

- **Sphenoidal**
- **Temporal**

A.8.4.3.3 Semantic link "*belongs to neck:*"

The descriptor is as follows:

- **Pharyngeal**

A.8.4.3.4 Semantic link "has position on left hemisphere:"

Applicable descriptors are as follows:

- 1
- 3
- 5
- 7
- 9

A.8.4.3.5 Semantic link "has position on right hemisphere:"

Applicable descriptors are as follows:

- 2
- 4
- 6
- 8
- 10

A.8.4.3.6 Semantic link "*belongs to hemisphere:*"

Applicable descriptors are as follows:

- Left
- Right

A.8.4.3.7 Semantic link "belongs to parasagittal region:"

The descriptor is as follows:

- Midline

A.8.4.3.8 Semantic link "is anatomically positioned at:"

Applicable descriptors are as follows:

- Ear
- Inion
- Nasion

A.8.4.4 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement.

A.8.4.4.1 Semantic link "*concerns:*"

No descriptor is applicable.

A.8.4.5 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organ system for which the term is relevant.

A.8.4.5.1 Semantic link "*pertains to*:"

Only one descriptor exists:

— CNS

A.8.4.6 Code table

See Table A.8.4.6.1 for the nomenclature and codes for electrode sites for EEG according to the international 10–20 system.

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Table A.8.4.6.1—Nomenclature and codes for electrode sites for EEG according to the international 10–20 system (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Head Nasion, Midline CNS		Nz	Nasion (theta 112.5, phi 90)	MDC_HEAD_NASION_MID	7::996
Head Frontal, Polar, Midline CNS		Fpz	Frontopolar (theta 90, phi 90)	MDC_HEAD_FRONT_POLAR_MID	7::1000
Head Anterior, Frontal, Midline CNS		AFz	Anterior frontal (theta 67.5, phi 90)	MDC_HEAD_FRONT_ANT_MID	7::1004
Head Frontal, Midline CNS		Fz	Frontal (theta 45, phi 90)	MDC_HEAD_FRONT_MID	7::1008
Head Frontal, Central, Midline CNS		FCz	Frontocentral (theta 22.5, phi 90)	MDC_HEAD_FRONT_CEN_T_MID	7::1012
Head Central, Midline CNS		Cz	Central (theta 0, phi 0)	MDC_HEAD_CENT_MID	7::1016
Head Central, Parietal, Media CNS		CPz	Centroparietal (theta 22.5, phi 270)	MDC_HEAD_PARIET_MED_IA	7::1020
Head Parietal, Midline CNS		Pz	Parietal (theta 45, phi 270)	MDC_HEAD_PARIET_MID	7::1024
Head Parietal, Occipital, Midline CNS		POz	Parieto-occipital (theta 67.5, phi 270)	MDC_HEAD_PARIET_OCC_IP_MID	7::1028
Head Occipital, Midline CNS		Oz	Occipital (theta 90, phi 270)	MDC_HEAD_OCCIP_MID	7::1032
Head Inion, Midline CNS		Iz	Inion (theta 112.5, phi 270)	MDC_HEAD_INION_MID	7::1036
Head Frontal, Polar, Left CNS		Fp1	Frontopolar (theta 90, phi 108)	MDC_HEAD_FRONT_POLAR_L	7::1041
Head Frontal, Polar, Right CNS		Fp2	Frontopolar (theta 90, phi 72)	MDC_HEAD_FRONT_POLAR_R	7::1042
Head Frontal, Left, 1 CNS		F1	Frontal (theta 52.9, phi 112)	MDC_HEAD_FRONT_L_1	7::1049
Head Frontal, Right, 2 CNS		F2	Frontal (theta 52.9, phi 68)	MDC_HEAD_FRONT_R_2	7::1054
Head Frontal, Left, 3 CNS		F3	Frontal (theta 64, phi 129.1)	MDC_HEAD_FRONT_L_3	7::1057
Head Frontal, Right, 4 CNS		F4	Frontal (theta 64, phi 50.9)	MDC_HEAD_FRONT_R_4	7::1062
Head Frontal, Left, 5 CNS		F5	Frontal (theta 76.9, phi 136.9)	MDC_HEAD_FRONT_L_5	7::1065
Head Frontal, Right, 6 CNS		F6	Frontal (theta 76.9, phi 43.1)	MDC_HEAD_FRONT_R_6	7::1070
Head Frontal, Left, 7 CNS		F7	Frontal (theta 90, phi 144)	MDC_HEAD_FRONT_L_7	7::1073
Head Frontal, Right, 8 CNS		F8	Frontal (theta 90, phi 36)	MDC_HEAD_FRONT_R_8	7::1078
Head Frontal, Left, 9 CNS		F9	Frontal (theta 103.7, phi 149.4)	MDC_HEAD_FRONT_L_9	7::1081
Head Frontal, Right, 10 CNS		F10	Frontal (theta 103.7, phi 30.6)	MDC_HEAD_FRONT_R_10	7::1086
Head Frontal, Central, Left, 1 CNS		FC1	Frontocentral (theta 33.4, phi 132.7)	MDC_HEAD_FRONT_CEN_T_L_1	7::1089
Head Frontal, Central, Right, 2 CNS		FC2	Frontocentral (theta 33.4, phi 47.3)	MDC_HEAD_FRONT_CEN_T_R_2	7::1094
Head Frontal, Central, Left, 3 CNS		FC3	Frontocentral (theta 51.7, phi 151.3)	MDC_HEAD_FRONT_CEN_T_L_3	7::1097

Table A.8.4.6.1—Nomenclature and codes for electrode sites for EEG according to the international 10–20 system (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Head Frontal, Central, Right, 4 CNS		FC4	Frontocentral (theta 51.7, phi 28.7)	MDC_HEAD_FRONT_CEN T_R_4	7::1102
Head Frontal, Central, Left, 5 CNS		FC5	Frontocentral (theta 71, phi 157.9)	MDC_HEAD_FRONT_CEN T_L_5	7::1105
Head Frontal, Central, Right, 6 CNS		FC6	Frontocentral (theta 71, phi 22.1)	MDC_HEAD_FRONT_CEN T_R_6	7::1110
Head Frontal, Temporal, Left, 7 CNS		FT7	Frontotemporal (theta 90, phi 162)	MDC_HEAD_FRONT_TEM POR_L_7	7::1113
Head Frontal, Temporal, Right, 8 CNS		FT8	Frontotemporal (theta 90, phi 18)	MDC_HEAD_FRONT_TEM POR_R_8	7::1118
Head Frontal, Temporal, Left, 9 CNS		FT9	Frontotemporal (theta 108.7, phi 164.3)	MDC_HEAD_FRONT_TEM POR_L_9	7::1121
Head Frontal, Temporal, Right, 10 CNS		FT10	Frontotemporal (theta 108.7, phi 15.7)	MDC_HEAD_FRONT_TEM POR_R_10	7::1126
Head Central, Left, 1 CNS		C1	Central (theta 22.5, phi 180)	MDC_HEAD_CENT_L_1	7::1129
Head Central, Right, 2 CNS		C2	Central (theta 22.5, phi 0)	MDC_HEAD_CENT_R_2	7::1134
Head Central, Left, 3 CNS		C3	Central (theta 45, phi 180)	MDC_HEAD_CENT_L_3	7::1137
Head Central, Right, 4 CNS		C4	Central (theta 45, phi 0)	MDC_HEAD_CENT_R_4	7::1142
Head Central, Left, 5 CNS		C5	Central (theta 62.5, phi 180)	MDC_HEAD_CENT_L_5	7::1145
Head Central, Right, 6 CNS		C6	Central (theta 62.5, phi 0)	MDC_HEAD_CENT_R_6	7::1150
Head Central, Parietal, Left, 1 CNS		CP1	Centroparietal (theta 33.4, phi 227.3)	MDC_HEAD_PARIET_CEN T_L_1	7::1153
Head Central, Parietal, Right, 2 CNS		CP2	Centroparietal (theta 33.4, phi 342.7)	MDC_HEAD_PARIET_CEN T_R_2	7::1158
Head Central, Parietal, Left, 3 CNS		CP3	Centroparietal (theta 51.7, phi 208.7)	MDC_HEAD_PARIET_CEN T_L_3	7::1161
Head Central, Parietal, Right, 4 CNS		CP4	Centroparietal (theta 51.7, phi 331.3)	MDC_HEAD_PARIET_CEN T_R_4	7::1166
Head Central, Parietal, Left, 5 CNS		CP5	Centroparietal (theta 71, phi 202.1)	MDC_HEAD_PARIET_CEN T_L_5	7::1169
Head Central, Parietal, Right, 6 CNS		CP6	Centroparietal (theta 71, phi 337.9)	MDC_HEAD_PARIET_CEN T_R_6	7::1174
Head Parietal, Left, 1 CNS		P1	Parietal (theta 52.9, phi 248)	MDC_HEAD_PARIET_L_1	7::1177
Head Parietal, Right, 2 CNS		P2	Parietal (theta 52.9, phi 292)	MDC_HEAD_PARIET_R_2	7::1182
Head Parietal, Left, 3 CNS		P3	Parietal (theta 64, phi 230.9)	MDC_HEAD_PARIET_L_3	7::1185
Head Parietal, Right, 4 CNS		P4	Parietal (theta 64, phi 309.1)	MDC_HEAD_PARIET_R_4	7::1190

Table A.8.4.6.1—Nomenclature and codes for electrode sites for EEG according to the international 10–20 system (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Head Parietal, Left, 5 CNS		P5	Parietal (theta 76.9, phi 223.1)	MDC_HEAD_PARIET_L_5	7::1193
Head Parietal, Right, 6 CNS		P6	Parietal (theta 76.9, phi 316.9)	MDC_HEAD_PARIET_R_6	7::1198
Head Parietal, Left, 9 CNS		P9	Parietal (theta 103.7, phi 210.6)	MDC_HEAD_PARIET_L_9	7::1201
Head Parietal, Right, 10 CNS		P10	Parietal (theta 103.7, phi 329.4)	MDC_HEAD_PARIET_R_10	7::1206
Head Occipital, Left CNS		O1	Occipital (theta 90, phi 252)	MDC_HEAD_OCCIP_L	7::1209
Head Occipital, Right CNS		O2	Occipital (theta 90, phi 288)	MDC_HEAD_OCCIP_R	7::1214
Head Anterior, Frontal, Left, 3 CNS		AF3	Anterior frontal (theta 76.8, phi 118)	MDC_HEAD_FRONT_ANT_L_3	7::1217
Head Anterior, Frontal, Right, 4 CNS		AF4	Anterior frontal (theta 76.8, phi 62)	MDC_HEAD_FRONT_ANT_R_4	7::1222
Head Anterior, Frontal, Left, 7 CNS		AF7	Anterior frontal (theta 90, phi 126)	MDC_HEAD_FRONT_ANT_L_7	7::1225
Head Anterior, Frontal, Right, 8 CNS		AF8	Anterior frontal (theta 90, phi 54)	MDC_HEAD_FRONT_ANT_R_8	7::1230
Head Parietal, Occipital, Left, 3 CNS		PO3	Parieto-occipital (theta 76.8, phi 242)	MDC_HEAD_PARIET_OCC_IP_L_3	7::1233
Head Parietal, Occipital, Right, 4 CNS		PO4	Parieto-occipital (theta 76.8, phi 298)	MDC_HEAD_PARIET_OCC_IP_R_4	7::1238
Head Parietal, Occipital, Left, 7 CNS		PO7	Parieto-occipital (theta 90, phi 234)	MDC_HEAD_PARIET_OCC_IP_L_7	7::1241
Head Parietal, Occipital, Right, 8 CNS		PO8	Parieto-occipital (theta 90, phi 306)	MDC_HEAD_PARIET_OCC_IP_R_8	7::1246
Head Temporal, Left, 3 CNS		T3	Temporal (theta 90, phi 180)	MDC_HEAD_TEMPOR_L_3	7::1249
Head Temporal, Right, 4 CNS		T4	Temporal (theta 90, phi 0)	MDC_HEAD_TEMPOR_R_4	7::1254
Head Temporal, Left, 5 CNS		T5	Temporal (theta 90, phi 216)	MDC_HEAD_TEMPOR_L_5	7::1257
Head Temporal, Right, 6 CNS		T6	Temporal (theta 90, phi 324)	MDC_HEAD_TEMPOR_R_6	7::1262
Head Temporal, Left, 9 CNS		T9	Temporal (theta 112.5, phi 180)	MDC_HEAD_TEMPOR_L_9	7::1265
Head Temporal, Right, 10 CNS		T10	Temporal (theta 112.5, phi 0)	MDC_HEAD_TEMPOR_R_10	7::1270
Head Temporal, Parietal, Left, 7 CNS		TP7	Temporoparietal (theta 90, phi 198)	MDC_HEAD_TEMPOR_PARIET_L_7	7::1273

Table A.8.4.6.1—Nomenclature and codes for electrode sites for EEG according to the international 10–20 system (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Head Temporal, Parietal, Right, 8 CNS		TP8	Temporoparietal (theta 90, phi 342)	MDC_HEAD_TEMPOR_PA RIET_R_8	7::1278
Head Temporal, Parietal, Left, 9 CNS		TP9	Temporoparietal (theta 108.7, phi 195.7)	MDC_HEAD_TEMPOR_PA RIET_L_9	7::1281
Head Temporal, Parietal, Right, 10 CNS		TP10	Temporoparietal (theta 108.7, phi 344.3)	MDC_HEAD_TEMPOR_PA RIET_R_10	7::1286
Head Ear, Left CNS		A1	Left ear (theta 120, phi 180)	MDC_HEAD_AURIC_L	7::1289
Head Ear, Left CNS		A1	Left ear (theta 120, phi 180)	MDC_HEAD_EAR_L	7::1289
Head Ear, Right CNS		A2	Right ear (theta 120, phi 0)	MDC_HEAD_AURIC_R	7::1290
Head Ear, Right CNS		A2	Right ear (theta 120, phi 0)	MDC_HEAD_EAR_R	7::1290
Head Temporal, Anterior, Left CNS		T1	Anterior temporal (theta 106, phi 162)	MDC_HEAD_TEMPOR_AN T_L	7::1297
Head Temporal, Anterior, Right CNS		T2	Anterior temporal (theta 106, phi 18)	MDC_HEAD_TEMPOR_AN T_R	7::1298
Head Pharyngeal, Left CNS		Pg1	Pharyngeal	MDC_HEAD_PHARYNGEA L_L	7::1305
Head Pharyngeal, Right CNS		Pg2	Pharyngeal	MDC_HEAD_PHARYNGEA L_R	7::1306
Head Sphenoidal, Left CNS		Sp1	Sphenoidal	MDC_HEAD_SPHENOIDAL _L	7::1313
Head Sphenoidal, Right CNS		Sp2	Sphenoidal	MDC_HEAD_SPHENOIDAL _R	7::1314
Head Regional, Occipital CNS			Regional EEG site, occipital	MDC_HEAD_REGIONAL_ OCCIPITAL	7::1844
Head Regional, Occipital, Left CNS		LO	Regional EEG site, left occipital	MDC_HEAD_REGIONAL_ OCCIPITAL_L	7::1845
Head Regional, Occipital, Right CNS		RO	Regional EEG site, right occipital	MDC_HEAD_REGIONAL_ OCCIPITAL_R	7::1846
Head Regional, Parietal CNS			Regional EEG site, parietal	MDC_HEAD_REGIONAL_P ARIETAL	7::1848
Head Regional, Parietal, Left CNS		LP	Regional EEG site, left parietal	MDC_HEAD_REGIONAL_P ARIETAL_L	7::1849
Head Regional, Parietal, Right CNS		RP	Regional EEG site, right parietal	MDC_HEAD_REGIONAL_P ARIETAL_R	7::1850
Head Regional, Temporal CNS			Regional EEG site, temporal	MDC_HEAD_REGIONAL_T EMPORAL	7::1852
Head Regional, Temporal, Left CNS		LT	Regional EEG site, left temporal	MDC_HEAD_REGIONAL_T EMPORAL_L	7::1853

Table A.8.4.6.1—Nomenclature and codes for electrode sites for EEG according to the international 10–20 system (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Head Regional, Temporal, Right CNS		RT	Regional EEG site, right temporal	MDC_HEAD_REGIONAL_TEMPORAL_R	7::1854
Head Regional, Frontal CNS			Regional EEG site, frontal	MDC_HEAD_REGIONAL_Frontal	7::1856
Head Regional, Frontal, Left CNS		LF	Regional EEG site, left frontal	MDC_HEAD_REGIONAL_Frontal_L	7::1857
Head Regional, Frontal, Right CNS		RF	Regional EEG site, right frontal	MDC_HEAD_REGIONAL_Frontal_R	7::1858
Head Regional, Frontal, Polar CNS			Regional EEG site, frontal polar	MDC_HEAD_REGIONAL_Frontal_Polar	7::1860
Head Regional, Frontal, Polar, Left CNS		LFP	Regional EEG site, left frontal polar	MDC_HEAD_REGIONAL_Frontal_Polar_L	7::1861
Head Regional, Frontal, Polar, Right CNS		RFP	Regional EEG site, right frontal polar	MDC_HEAD_REGIONAL_Frontal_Polar_R	7::1862
Nerve Cervicales Spinal, Cervical, 5 Body		C5S	Originates from the spinal column from above the cervical vertebra 5 (C5). Normally used for somatosensory evoked potentials, but can also be used as an EEG monitoring site.	MDC_NERV_SPIN_CERVI C_5	7::1864
Nerve Cervicales Spinal, Cervical, 5, Left Body		C5S	Originates from the spinal column from above the cervical vertebra 5 (C5). Normally used for somatosensory evoked potentials, but can also be used as an EEG monitoring site.	MDC_NERV_SPIN_CERVI C_5_L	7::1865
Nerve Cervicales Spinal, Cervical, 5, Right Body		C5S	Originates from the spinal column from above the cervical vertebra 5 (C5). Normally used for somatosensory evoked potentials, but can also be used as an EEG monitoring site.	MDC_NERV_SPIN_CERVI C_5_R	7::1866
Head Custom site, X1 CNS		X1	Custom EEG electrode site, X1	MDC_HEAD_CUSTOM_1	7::1881
Head Custom site, X2 CNS		X2	Custom EEG electrode site, X2	MDC_HEAD_CUSTOM_2	7::1882
Head Custom site, X3 CNS		X3	Custom EEG electrode site, X3	MDC_HEAD_CUSTOM_3	7::1883
Head Custom site, X4 CNS		X4	Custom EEG electrode site, X4	MDC_HEAD_CUSTOM_4	7::1884
Head Custom site, X5 CNS		X5	Custom EEG electrode site, X5	MDC_HEAD_CUSTOM_5	7::1885
Head Custom site, X6 CNS		X6	Custom EEG electrode site, X6	MDC_HEAD_CUSTOM_6	7::1886

NOTE—In IEEE Std 11073-10101:2004 the EEG auricular sites used the same RefId as SpO₂ sites but different codes; replaced EAR with AURIC for EEG A1 and A2 site RefIds.

A.8.5 Sites for EOG signal monitoring

A.8.5.1 Introduction

Subclause A.8.5 presents a nomenclature for sites for EOG electrodes used mostly in neurophysiological monitoring. The list of electrode positions is necessary for the specification of other monitoring devices. The purpose of this nomenclature is to support unique identification of medical data in communication. The terms are used in the Metric object of the DIM to identify the actual data. The terms were extracted from different sources because there appears to be no previous applicable nomenclature for this purpose. Although the intention is not to standardize medicine, such standardization may result when the nomenclature is published.

A.8.5.1.1 Graphic representation of the EOG electrode positions

Because the suggested nomenclature includes electrode sites that are not necessarily commonly known, it is necessary to present the positions in graphical form in addition to textual description of the positions. See Figure A.8.5.1.

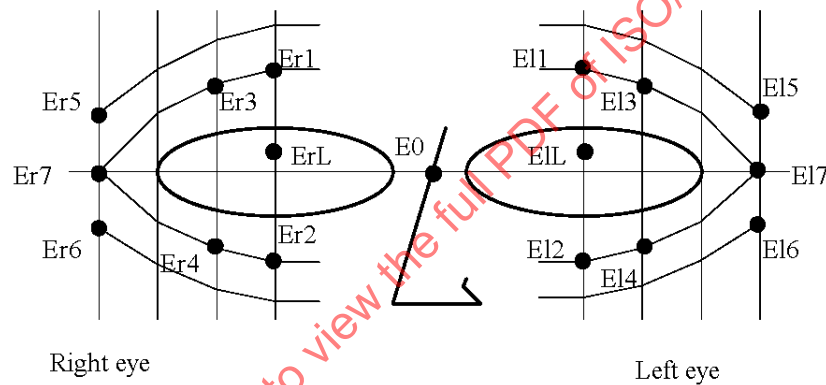


Figure A.8.5.1—Schematic diagram of the EOG electrode positions

The electrode between the eyes has been coded E0. The electrodes of the right eye have been coded with Erx, where E means eye, r means right, and x is a number between 1 and 7. In principle the odd numbers mean electrodes above the eye and the even numbers mean electrodes below the eye. The exception is electrode Er7, which is directly on the horizontal axis of the eyes. Correspondingly, the electrodes for the left eye have been coded with Elx, where E means eye, l means left, and the number x describes the position in more detail. The electrode positions in the left eye are a mirror image of the positions of the right eye. The electrodes below the eyes are slightly nearer the eyes due to the physiology of the eyes, the eyelids, and the eyebrows.

It is also possible to place an electrode or a mechanical eye movement sensor on the eyelid. For these purposes, the list includes two entries: ErL for the right eyelid and E1L for the left eyelid.

If a different electrode placement is chosen, the codes shown in Figure A.8.5.1 are not used. In this case, the code is formed as follows: if the electrode is near the left eye, the code begins with El; and if it is nearer the right eye, the code begins with Er. If the electrode is above the horizontal axis of the eyes, the letter a is added to the code; and if it is below the horizontal axis, the letter b is added to the code. In medical studies, not all the above electrodes are used in a single measurement. However, the physician chooses the electrodes that appear most relevant and references the electrodes either to the positions in Table A.8.5.6.1 for EOG electrodes or to the positions given in Table A.8.4.6.1 for EEG electrodes.

A.8.5.1.2 Fields in the table

Table A.8.5.6.1 lists the codes for EOG electrode positions. See Häkkinen et al. [B9] for discussion of many of these electrode positions.

A.8.5.2 Base concept

In this special case, only one descriptor is applicable:

- Eye (the object or position of a measurement)

A.8.5.3 First set of differentiating criteria

The second field of the systematic name refers to the measurement features. It is possible to have more than one semantic link and or descriptor.

A.8.5.3.1 Semantic link "is near to anatomical structure:"

Applicable descriptors are as follows:

- Canthus
- CanthusLateralis
- Eyelid

A.8.5.3.2 Semantic link "has position:"

Applicable descriptors are as follows:

- Above
- Below
- Between
- Center
- HorizontalAxis
- Left
- Outer
- Right

A.8.5.4 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement.

A.8.5.4.1 Semantic link "concerns:"

The descriptor is as follows:

- Head

A.8.5.5 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organ system for which the term is relevant.

A.8.5.5.1 Semantic link "*pertains to*:"

Only one descriptor is applicable:

— **Body**

A.8.5.6 Code table

See Table A.8.5.6.1 for the nomenclature and codes for sites for EOG signal monitoring.

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Table A.8.5.6.1—Nomenclature and codes for sites for EOG signal monitoring (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Eye HorizontalAxis, Between Head Body		E0	Electrode between the eyes, on the horizontal axis of the eyes.	MDC_EYE_AXIS_HORIZ	7::1320
Eye Center, Above, Left Head Body		EI1	Electrode above the center of the left eye.	MDC_EYE_CENT_ABOVE_L	7::1325
Eye Center, Below, Left Head Body		EI2	Electrode below the center of the left eye.	MDC_EYE_CENT_BELOW_L	7::1329
Eye CanthusLateralis, Above, Middle, Left Head Body		EI3	Electrode 1 cm above the left eye on the eyebrow, in the middle between the center point of the eye and the lateral canthus.	MDC_EYE_CANTH_LAT_ABOVE_MID_L	7::1333
Eye CanthusLateralis, Below, Middle, Left Head Body		EI4	Electrode directly below the left eye, in the middle between the center point of the eye and the lateral canthus.	MDC_EYE_CANTH_LAT_BELOW_MID_L	7::1337
Eye Canthus, Outer, Above, Left Head Body		EI5	Electrode slightly above the outer canthus of the left eye in the position suggested by the sleep stage scoring manual.	MDC_EYE_CANTH_OUTER_ABOVE_L	7::1341
Eye Canthus, Outer, Below, Left Head Body		EI6	Electrode slightly below the outer canthus of the left eye in the position suggested by the sleep stage scoring manual.	MDC_EYE_CANTH_OUTER_BELOW_L	7::1345
Eye Canthus, Outer, Center, Left Head Body		EI7	Electrode on the outer canthus of the left eye on the horizontal line through the center of the eyes.	MDC_EYE_CANTH_OUTER_CENTER_L	7::1349
Eye Center, Above, Right Head Body		Er1	Electrode above the center of the right eye.	MDC_EYE_CENT_ABOVE_R	7::1354
Eye Center, Below, Right Head Body		Er2	Electrode below the center of the right eye.	MDC_EYE_CENT_BELOW_R	7::1358
Eye CanthusLateralis, Above, Middle, Right Head Body		Er3	Electrode 1 cm above the right eye on the eyebrow, in the middle between the center point of the eye and the lateral canthus.	MDC_EYE_CANTH_LAT_ABOVE_R	7::1362
Eye CanthusLateralis, Below, Middle, Right Head Body		Er4	Electrode directly below the right eye, in the middle between the center point of the eye and the lateral canthus.	MDC_EYE_CANTH_LAT_BELOW_R	7::1366
Eye Canthus, Outer, Above, Right Head Body		Er5	Electrode slightly above the outer canthus of the right eye in the position suggested by the sleep stage scoring manual.	MDC_EYE_CANTH_OUTER_ABOVE_R	7::1370
Eye Canthus, Outer, Below, Right Head Body		Er6	Electrode slightly below the outer canthus of the right eye in the position suggested by the sleep stage scoring manual.	MDC_EYE_CANTH_OUTER_BELOW_R	7::1374
Eye Canthus, Outer, Center, Right Head Body		Er7	Electrode on the outer canthus of the right eye on the horizontal line through the center of the eyes.	MDC_EYE_CANTH_OUTER_CENTER_R	7::1378
Eye Eyelid, Left Head Body		EIL	Electrode or other sensor on the left eyelid.	MDC_EYE_EYELID_L	7::1381

Table A.8.5.6.1—Nomenclature and codes for sites for EOG signal monitoring *(multipage table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Eye Eyelid, Right Head Body		ErL	Electrode or other sensor on the right eyelid.	MDC_EYE_EYELID_R	7::1386
Eye Above, Left Head Body		Ela	Other electrode position near the left eye, above the horizontal axis of the eyes.	MDC_EYE_ABOVE_L	7::1389
Eye Below, Left Head Body		Elb	Other electrode position near the left eye, below the horizontal axis of the eyes.	MDC_EYE_BELOW_L	7::1393
Eye Above, Right Head Body		Era	Other electrode position near the right eye, above the horizontal axis of the eyes.	MDC_EYE_ABOVE_R	7::1398
Eye Below, Right Head Body		Erb	Other electrode position near the right eye, below the horizontal axis of the eyes.	MDC_EYE_BELOW_R	7::1402

A.8.6 Sites for general neurological monitoring measurements and drainage**A.8.6.1 Base concept**

In this special case, only one descriptor is applicable:

- **Brain** (the object or position of a measurement)

A.8.6.2 First set of differentiating criteria

The second field of the systematic name refers to the measurement features. It is possible to have more than one semantic link and or descriptor.

A.8.6.2.1 Semantic link "*has position:*"

Applicable descriptors include the following:

- **Epidural**
- **Intraparenchymal**
- **Intraventricular**
- **Subarachnoidal**
- **Subdural**

Descriptors for laterality are as follows:

- **Left**
- **Right**

A.8.6.3 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement.

A.8.6.3.1 Semantic link "*concerns:*"

The descriptor is as follows:

- **IntracranialPressure**

A.8.6.4 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organ system, for which the term is relevant.

A.8.6.4.1 Semantic link "*pertains to:*"

There is only one descriptor:

- **Body**

A.8.6.5 Code table

See Table A.8.6.5.1 for the nomenclature and codes for general neurological sites for monitoring measurements and drainage.

Table A.8.6.5.1—Nomenclature and codes for general neurological sites for monitoring measurements and drainage

Systematic name	Common terms	Acronym	Description/Definition	RefId	Part::Code
Brain Body			Brain, NOS [T-A0100] (e.g., for neurological measurements and drainage)	MDC_BRAIN_INTRA_CRAN_TISS	7::1896
Brain Epidural, NOS Body			Epidural [T-X1280] (e.g., for neurological measurements and drainage)	MDC_BRAIN_EPIDURAL	7::1404
Brain Epidural, Left Body			Epidural, Left [T-X1280-LFT] (e.g., for neurological measurements and drainage)	MDC_BRAIN_EPIDURAL_L	7::1405
Brain Epidural, Right Body			Epidural, Right [T-X1280-RGT] (e.g., for neurological measurements and drainage)	MDC_BRAIN_EPIDURAL_R	7::1406
Brain Subdural, NOS Body			Subdural [T-X1400] (e.g., for neurological measurements and drainage)	MDC_BRAIN_SUBDURAL	7::1408
Brain Subdural, Left Body			Subdural, Left [T-X1400-LFT] (e.g., for neurological measurements and drainage)	MDC_BRAIN_SUBDURAL_L	7::1409
Brain Subdural, Right Body			Subdural, Right [T-X1400-RGT] (e.g., for neurological measurements and drainage)	MDC_BRAIN_SUBDURAL_R	7::1410
Brain Subarachnoidal, NOS Body			Subarachnoid [T-X1502] (for neurological measurements and drainage)	MDC_BRAIN_SUBARACHNOIDAL	7::1412
Brain Subarachnoidal, Left Body			Subarachnoid, Left [T-X1502-LFT] (for neurological measurements and drainage)	MDC_BRAIN_SUBARACHNOIDAL_L	7::1413
Brain Subarachnoidal, Right Body			Subarachnoid, Right [T-X1502-RGT] (for neurological measurements and drainage)	MDC_BRAIN_SUBARACHNOIDAL_R	7::1414
Brain Intraventricular, NOS Body			Intraventricular [T-X1600] (e.g., for neurological measurements and drainage)	MDC_BRAIN_INTRAVENTRICULAR	7::1416
Brain Intraventricular, Left Body			Intraventricular, Left [T-X1600-LFT] (e.g., for neurological measurements and drainage)	MDC_BRAIN_INTRAVENTRICULAR_L	7::1417
Brain Intraventricular, Right Body			Intraventricular, Right [T-X1600-RGT] (e.g., for neurological measurements and drainage)	MDC_BRAIN_INTRAVENTRICULAR_R	7::1418
Brain Intraparenchymal, NOS Body			Intraparenchymal [T-X2000] (e.g., for neurological measurements)	MDC_BRAIN_INTRAPARENCHYMAL	7::1420
Brain Intraparenchymal, Left Body			Intraparenchymal, Left [T-X2000-LFT] (e.g., for neurological measurements)	MDC_BRAIN_INTRAPARENCHYMAL_L	7::1421
Brain Intraparenchymal, Right Body			Intraparenchymal, Right [T-X2000-RGT] (e.g., for neurological measurements)	MDC_BRAIN_INTRAPARENCHYMAL_R	7::1422

A.8.7 Sites for cardiovascular measurements**A.8.7.1 Base concepts**

The following descriptors for the position of a measurement are applicable:

- Artery
- Heart
- Vein

A.8.7.2 First set of differentiating criteria

The second field of the systematic name refers to the measurement features. It is possible to have more than one semantic link and or one descriptor.

A.8.7.2.1 Semantic link "*relates to substructure*:"

Applicable descriptors are as follows:

- Atrium
- Ventricle

A.8.7.2.2 Semantic link "*relates to vessel*:"

Applicable descriptors are as follows:

- Aorta
- Axillaris
- Brachialis
- Cerebri
- Conus
- CoronaryArtery
- Dorsalis
- Femoralis
- Jugularis
- Media
- Profunda
- Pulmonalis
- Radialis
- Subclavia
- Temporalis
- Ulnaris
- Umbilicalis

A.8.7.2.3 Semantic link "*has position*:"

Applicable descriptors are as follows:

- **Externa**
- **Interna**
- **Left**
- **Right**

A.8.7.2.4 Semantic link "*specifies branch*:"

Applicable descriptors are as follows:

- **AnteriorDescendingBranch**
- **CircumflexBranch**
- **MarginalBranch**
- **PosteriorDescendingBranch**

A.8.7.3 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement.

A.8.7.3.1 Semantic link "*concerns*:"

Only one descriptor is applicable:

- **CVS**

A.8.7.4 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organic system for which the term is relevant.

A.8.7.4.1 Semantic link "*pertains to*:"

There is only one descriptor applicable:

- **Body**

A.8.7.5 Code table

See Table A.8.7.5.1 for the nomenclature and codes for body sites for cardiovascular measurements.

Table A.8.7.5.1—Nomenclature and codes for body sites for cardiovascular measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Heart NOS CVS Body			Heart [T-32000]	MDC_HEART	7::1424
Heart Left CVS Body			Left side of Heart [T-32020]	MDC_HEART_L	7::1425
Heart Right CVS Body			Right side of Heart [T-32010]	MDC_HEART_R	7::1426
Heart Atrium, Left CVS Body			Left Atrium [T-32300]	MDC_HEART_ATR_L	7::1429
Heart Atrium, Right CVS Body			Right Atrium [T-32200]	MDC_HEART_ATR_R	7::1434
Heart Ventricle, Left CVS Body			Left Ventricle [T-32600]	MDC_HEART_VENT_L	7::1437
Heart Ventricle, Right CVS Body			Right Ventricle [T-32500]	MDC_HEART_VENT_R	7::1442
Aorta NOS CVS Body			Aorta, NOS [T-42000] (e.g., for Blood pressure measurements)	MDC_AORT	7::1888
Artery NOS CVS Body			Artery [T-41000]	MDC_ART	7::1444
Artery Left CVS Body			Artery, Left [T-41000-LFT]	MDC_ART_L	7::1445
Artery Right CVS Body			Artery, Right [T-41000-RGT]	MDC_ART_R	7::1446
Artery Axillaris, NOS CVS Body			Axillary Artery [T-47100]	MDC_ART_AXILLAR	7::1448
Artery Axillaris, Left CVS Body			Axillary Artery, Left [T-47120]	MDC_ART_AXILLAR_L	7::1449
Artery Axillaris, Right CVS Body			Axillary Artery, Right [T-47110]	MDC_ART_AXILLAR_R	7::1450
Artery Brachialis, NOS CVS Body			Brachial Artery [T-47160]	MDC_ART_BRACHIAL	7::1452
Artery Brachialis, Left CVS Body			Brachial Artery, Left [T-47160-LFT]	MDC_ART_BRACHIAL_L	7::1453
Artery Brachialis, Right CVS Body			Brachial Artery, Right [T-47160-RGT]	MDC_ART_BRACHIAL_R	7::1454
Artery Dorsalis, Pedis, NOS CVS Body			Dorsalis Pedis Artery [T-47740]	MDC_ART_DORSAL	7::1456
Artery Dorsalis, Pedis, Left CVS Body			Dorsalis Pedis Artery, Left [T-47740-LFT]	MDC_ART_DORSAL_L	7::1457
Artery Dorsalis, Pedis, Right CVS Body			Dorsalis Pedis Artery, Right [T-47740-RGT]	MDC_ART_DORSAL_R	7::1458
Artery Femoralis, NOS CVS Body			Femoral Artery [T-47400]	MDC_ART_FEMORAL	7::1460

Table A.8.7.5.1—Nomenclature and codes for body sites for cardiovascular measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Artery Femoralis, Left CVS Body			Femoral Artery, Left [T-47420]	MDC_ART_FEMORAL_L	7::1461
Artery Femoralis, Right CVS Body			Femoral Artery, Right [T-47400-RGT]	MDC_ART_FEMORAL_R	7::1462
Artery Pulmonalis, NOS CVS Body			Pulmonary Artery [T-44000]	MDC_ART_PULMONAL	7::1464
Artery Radialis, NOS CVS Body			Radial Artery [T-47300]	MDC_ART_RADIAL	7::1468
Artery Radialis, Left CVS Body			Radial Artery, Left [T-47320]	MDC_ART_RADIAL_L	7::1469
Artery Radialis, Right CVS Body			Radial Artery, Right [T-47310]	MDC_ART_RADIAL_R	7::1470
Artery Temporalis, Superficialis, NOS CVS Body			Superficial Temporal Artery [T-45270]	MDC_ART_TEMPOR_SUP_ERF	7::1472
Artery Temporalis, Superficialis, Left CVS Body			Superficial Temporal Artery, Left [T-45270-LFT]	MDC_ART_TEMPOR_SUP_ERF_L	7::1473
Artery Temporalis, Superficialis, Right CVS Body			Superficial Temporal Artery, Right [T-45270-RGT]	MDC_ART_TEMPOR_SUP_ERF_R	7::1474
Artery Ulnaris, NOS CVS Body			Ulnar Artery [T-47200]	MDC_ART_ULNAR	7::1476
Artery Ulnaris, Left CVS Body			Ulnar Artery, Left [T-47220]	MDC_ART_ULNAR_L	7::1477
Artery Ulnaris, Right CVS Body			Ulnar Artery, Right [T-47210]	MDC_ART_ULNAR_R	7::1478
Artery Umbilicalis CVS Body			Umbilical Artery [T-88810]	MDC_ART_UMBILICAL	7::1480
Heart CoronaryArtery CVS Body	Coronary artery		Coronary artery, NOS (T-43000)	MDC_ART_CORON	7::1812
Heart CoronaryArtery, Left CVS Body	Left coronary artery		Left coronary artery, NOS (T-43100)	MDC_ART_CORON_L	7::1816
Heart CoronaryArtery, AnteriorDescendingBranch, Left CVS Body	Left coronary artery, anterior descending branch		Left coronary artery, anterior descending branch (T-43110)	MDC_ART_CORON_L_AN_T_DESCEND	7::1820
Heart CoronaryArtery, CircumflexBranch, Left CVS Body	Left coronary artery, circumflex branch		Left coronary artery, circumflex branch (T-43120)	MDC_ART_CORON_L_CIR_CUM	7::1824

Table A.8.7.5.1—Nomenclature and codes for body sites for cardiovascular measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Heart CoronaryArtery, Right CVS Body	Right coronary artery		Right coronary artery, NOS (T-43200)	MDC_ART_CORON_R	7::1828
Heart CoronaryArtery, PosteriorDescendingBranch, Right CVS Body	Right coronary artery, posterior descending branch		Right coronary artery, posterior descending branch (T-43210)	MDC_ART_CORON_R_PO ST_DESCEND	7::1832
Heart CoronaryArtery, Conus CVS Body	Conus artery		Conus artery (T-43220)	MDC_ART_CORON_CONU S	7::1836
Heart CoronaryArtery, MarginalBranch, Right CVS Body	Right coronary artery, marginal branch		Right coronary artery, marginal branch (T-43230)	MDC_ART_CORON_R_MA RGIN	7::1840
Vein CVS Body	Vein		Vein, NOS [T-48000]	MDC_VEIN	7::1484
Vein Left CVS Body	Left vein		Vein, Left [T-48000-LFT]	MDC_VEIN_L	7::1485
Vein Right CVS Body	Right vein		Vein, Right [T-48000-RGT]	MDC_VEIN_R	7::1486
Vein Femoralis CVS Body	Femoralis vein		Femoral vein, NOS [T-49410]	MDC_VEIN_FEMORAL	7::1488
Vein Femoralis, Left CVS Body	Left femoralis vein		Femoral vein, Left [T-49410-LFT]	MDC_VEIN_FEMORAL_L	7::1489
Vein Femoralis, Right CVS Body	Right femoralis vein		Femoral vein, Right [T-49410-RGT]	MDC_VEIN_FEMORAL_R	7::1490
Vein Jugularis, Externa CVS Body			External Jugular Vein [T-48160]	MDC_VEIN_JUGULAR_EX T	7::1492
Vein Jugularis, Externa, Left CVS Body			External Jugular Vein, Left [T-48160-LFT]	MDC_VEIN_JUGULAR_EX T_L	7::1493
Vein Jugularis, Externa, Right CVS Body			External Jugular Vein, Right [T-48160-RGT]	MDC_VEIN_JUGULAR_EX T_R	7::1494
Vein Jugularis, Interna, NOS CVS Body			Internal Jugular Vein [T-48170]	MDC_VEIN_JUGULAR_INT	7::1496
Vein Jugularis, Interna, Left CVS Body			Internal Jugular Vein, Left [T-48170-LFT]	MDC_VEIN_JUGULAR_INT _L	7::1497
Vein Jugularis, Interna, Right CVS Body			Internal Jugular Vein, Right [T-48170-RGT]	MDC_VEIN_JUGULAR_INT _R	7::1498
Vein Media, Profunda, Cerebri, NOS CVS Body			Median Cephalic Vein [T-49253]	MDC_VEIN_CEREBR_PRO FUND_MED	7::1500
Vein Media, Profunda, Cerebri, Left CVS Body			Median Cephalic Vein, Left [T-49253-LFT]	MDC_VEIN_CEREBR_PRO FUND_MED_L	7::1501

Table A.8.7.5.1—Nomenclature and codes for body sites for cardiovascular measurements (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Vein Media, Profunda, Cerebri, Right CVS Body			Median Cephalic Vein, Right [T-49253-RGT]	MDC_VEIN_CEREBR_PRO FUND_MED_R	7::1502
Vein Subclavia, NOS CVS Body			Subclavian Vein [T-48330]	MDC_VEIN_SUBCLAV	7::1504
Vein Subclavia, Left CVS Body			Subclavian Vein, Left [T-48330-LFT]	MDC_VEIN_SUBCLAV_L	7::1505
Vein Subclavia, Right CVS Body			Subclavian Vein, Right [T-48330-RGT]	MDC_VEIN_SUBCLAV_R	7::1506

A.8.8 Miscellaneous sites used in vital signs monitoring and measurement**A.8.8.1 Base concepts**

The base concepts describe the object or position of a measurement. Applicable descriptors are as follows:

- **Head**
- **LowerExtremity**
- **Skin**
- **Trunk**
- **UpperExtremity**
- **Vein**
- **Vessel**

A.8.8.2 First set of differentiating criteria

The second field of the systematic name refers to the measurement features. It is possible to have more than one semantic link and or one descriptor.

A.8.8.2.1 Semantic link "*pertains to*:"

Descriptors for drainage and fluid output measurements are as follows:

- **AbdominalCavity**
- **Bladder**
- **ChestWall**
- **Head**
- **Neck**
- **Pelvis**
- **Pleura**
- **Ureter**

Descriptors for fluid therapy are as follows:

- **Cava**
- **HandBack**
- **Umbilicalis**

A.8.8.2.2 Semantic link "*is positioned*:"

Descriptors for subspecification of an area are as follows:

- **Apical**
- **Basal**
- **Inferior**
- **IntraOssery**
- **Left**
- **Peripheral**
- **Right**
- **Superior**

Descriptors for areas of head are as follows:

- **Cheek**
- **Chin**
- **Conjunctiva**
- **Ear**
- **Face**
- **Fore**
- **FrontalRegion**
- **Mouth**
- **Naris**
- **Nasopharynx**
- **Nose**
- **OccipitalRegion**
- **OrbitalRegion**
- **ParietalRegion**
- **TemporalRegion**
- **VertexRegion**

Descriptors for areas of trunk are as follows:

- **Abdomen**
- **AbdominalWall**
- **Back**
- **Buttock**
- **Diaphragm**
- **Hip**
- **InguinalRegion**
- **JugularBulb**
- **LumbarRegion**
- **Pelvis**
- **Perineum**
- **SacrococcygealRegion**
- **ScapularRegion**
- **Thorax**

Descriptors for areas of upper extremity are as follows:

- **AntecubitalRegion**
- **Axilla**
- **Elbow**
- **Finger**
- **Forearm**
- **Hand**
- **UpperArm**
- **Wrist**

Descriptors for areas of lower extremity are as follows:

- **Ankle**
- **Foot**

- Heel
- Knee
- Leg
- PoplitealRegion
- Thigh
- Toe

A.8.8.2.3 Semantic link "*has specification:*"

Descriptors specifying fingers are as follows:

- Index
- Little
- Middle
- Ring
- Thumb

Descriptors specifying toes are as follows:

- Great
- Second
- Third
- Fourth
- Fifth

Descriptors specifying the type of a measurement are as follows:

- Intragastric
- Oesophagus
- Transesophageal

A.8.8.3 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement. No descriptor is applicable.

A.8.8.4 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organic system for which the term is relevant.

A.8.8.4.1 Semantic link "*pertains to:*"

The following descriptors are applicable:

- Body
- Drainage

A.8.8.5 Code table

See Table A.8.8.5.1 for the nomenclature and codes for miscellaneous body sites used in vital signs monitoring and measurement.

Table A.8.8.5.1—Nomenclature and codes for miscellaneous body sites used in vital signs monitoring and measurement (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Body			Body as whole [T-D0010]	MDC_BODY	7::2112
Left Body			Left side of body as whole [T-D0017]	MDC_BODY_L	7::2113
Right Body			Right side of body as whole [T-D0016]	MDC_BODY_R	7::2114
Head Cheek, NOS Body			Head, Cheek [T-Y0300]	MDC_HEAD_CHEEK	7::1508
Head Cheek, Left Body			Head, Cheek, Left [T-Y0300-LFT]	MDC_HEAD_CHEEK_L	7::1509
Head Cheek, Right Body			Head, Cheek, Right [T-Y0300-RGT]	MDC_HEAD_CHEEK_R	7::1510
Head Chin Body			Head, Chin [T-Y0210]	MDC_HEAD_CHIN	7::1512
Head Conjunctiva, NOS Body			Conjunctiva [T-XX860] (e.g., for miscellaneous measurements, e.g., CO ₂)	MDC_HEAD_CONJUNCTIV	7::1516
Head Conjunctiva, Left Body			Conjunctiva, Left [T-XX860-LFT] (e.g., for miscellaneous measurements, e.g., CO ₂)	MDC_HEAD_CONJUNCTIV_L	7::1517
Head Conjunctiva, Right Body			Conjunctiva, Right [T-XX860-RGT] (e.g., for miscellaneous measurements, e.g., CO ₂)	MDC_HEAD_CONJUNCTIV_R	7::1518
Head CranialCavity Body			Cranial cavity, NOS [T-D1400] (e.g., for neurological measurements and drainage)	MDC_HEAD_INTRA_CRAN	7:1892
Head Ear, NOS Body			Ear, NOS [T-AB100] (e.g., for oximetric measurement)	MDC_HEAD_EAR	7::1520
Head Ear, Left Body			Ear, Left [T-AB020] (e.g., for oximetric measurement)	MDC_HEAD_EAR_L	7::1521
Head Ear, Right Body			Ear, Right [T-AB010] (e.g., for oximetric measurement)	MDC_HEAD_EAR_R	7::1522
Head Ear, NOS TympanicMembrane Body			Ear, Tympanic Membrane, NOS [T-AB320] (e.g., for temperature measurement)	MDC_HEAD_TYMPANIC	7::2116
Head Ear, Left TympanicMembrane Body			Ear, Tympanic Membrane, Left [T-AB320] (e.g., for temperature measurement)	MDC_HEAD_TYMPANIC_L	7::2117
Head Ear, Right TympanicMembrane Body			Ear, Tympanic Membrane, Right [T-AB320] (e.g., for temperature measurement)	MDC_HEAD_TYMPANIC_R	7::2118
Head Face, NOS Body			Head, Face [T-Y0200]	MDC_HEAD_FACE	7::1524
Head Face, Left Body			Head, Face, Left [T-Y0202]	MDC_HEAD_FACE_L	7::1525
Head Face, Right Body			Head, Face, Right [T-Y0201]	MDC_HEAD_FACE_R	7::1526
Head Fore, NOS Body			Forehead, NOS [T-Y0110] (e.g., for oximetric measurement)	MDC_HEAD_FORE	7::1528
Head Fore, Left Body			Forehead, NOS, Left [T-Y0110-LFT] (e.g., for oximetric measurement)	MDC_HEAD_FORE_L	7::1529

Table A.8.8.5.1—Nomenclature and codes for miscellaneous body sites used in vital signs monitoring and measurement (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Head Fore, Right Body			Forehead, NOS, Right [T-Y0110-RGT] (e.g., for oximetric measurement)	MDC_HEAD_FORE_R	7::1530
Head FrontalRegion, NOS Body			Head; Frontal region [T-Y0111]	MDC_HEAD_FRONT_REGI ON	7::1532
Head FrontalRegion, Left Body			Head; Frontal region, Left [T-Y0111-LFT]	MDC_HEAD_FRONT_REGI ON_L	7::1533
Head FrontalRegion, Right Body			Head; Frontal region, Right [T-Y0111-RGT]	MDC_HEAD_FRONT_REGI ON_R	7::1534
Head Head, Neck, NOS Body			Head and Neck, NOS [T-Y0000] (e.g., for surgical drainage)	MDC_HEAD_NECK	7::1536
Head Head, Neck, Left Body			Head and Neck, NOS, Left [T-Y0000-LFT] (e.g., for surgical drainage)	MDC_HEAD_NECK_L	7::1537
Head Head, Neck, Right Body			Head and Neck, NOS, Right [T-Y0000-RGT] (e.g., for surgical drainage)	MDC_HEAD_NECK_R	7::1538
Head Mouth Body			Head; Mouth [T-51000]	MDC_HEAD_MOUTH	7::1540
Head Naris, NOS Body			Head, Naris (nostril) [T-21310]	MDC_HEAD_NARIS	7::1544
Head Naris, Left Body			Head, Naris (nostril), Left [T-21310-LFT]	MDC_HEAD_NARIS_L	7::1545
Head Naris, Right Body			Head, Naris (nostril), Right [T-21310-RGT]	MDC_HEAD_NARIS_R	7::1546
Head Nasopharynx Body			Head, Nasopharynx [T-23000]	MDC_HEAD_NASOPHARY NX	7::1548
Head Nose Body			Head, Nose, NOS [T-21000]	MDC_HEAD_NOSE	7::1552
Head OccipitalRegion, NOS Body			Head, Occipital region [T-Y0140]	MDC_HEAD_OCCIP_REGI ON	7::1556
Head OccipitalRegion, Left Body			Head, Occipital region, Left [T-Y0140-LFT]	MDC_HEAD_OCCIP_REGI ON_L	7::1557
Head OccipitalRegion, Right Body			Head, Occipital region, Right [T-Y0140-RGT]	MDC_HEAD_OCCIP_REGI ON_R	7::1558
Head OrbitalRegion, NOS Body			Head, Orbital region [T-Y0480]	MDC_HEAD_ORBITAL_RE GION	7::1560
Head OrbitalRegion, Left Body			Head, Orbital region, Left [T-Y0480-LFT]	MDC_HEAD_ORBITAL_RE GION_L	7::1561
Head OrbitalRegion, Right Body			Head, Orbital region, Right [T-Y0480-RGT]	MDC_HEAD_ORBITAL_RE GION_R	7::1562
Head ParietalRegion, NOS Body			Head, Parietal region [T-Y0130]	MDC_HEAD_PARIET_REG ION	7::1564

Table A.8.8.5.1—Nomenclature and codes for miscellaneous body sites used in vital signs monitoring and measurement (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Head ParietalRegion, Left Body			Head, Parietal region, Left [T-Y0130-LFT]	MDC_HEAD_PARIET_REG ION_L	7::1565
Head ParietalRegion, Right Body			Head, Parietal region, Right [T-Y0130-RGT]	MDC_HEAD_PARIET_REG ION_R	7::1566
Head TemporalRegion, NOS Body			Head, Temporal region [T-Y0150]	MDC_HEAD_TEMPOR_RE GION	7::1568
Head TemporalRegion, Left Body			Head, Temporal region, Left [T-Y0150-LFT]	MDC_HEAD_TEMPOR_RE GION_L	7::1569
Head TemporalRegion, Right Body			Head, Temporal region, Right [T-Y0150-RGT]	MDC_HEAD_TEMPOR_RE GION_R	7::1570
Head VertexRegion, NOS Body			Head, Vertex, (central) region [T-Y0120]	MDC_HEAD_VERTEX_RE GION	7::1572
Head VertexRegion, Left Body			Head, Vertex, (central) region, Left [T-Y0120-LFT]	MDC_HEAD_VERTEX_RE GION_L	7::1573
Head VertexRegion, Right Body			Head, Vertex, (central) region, Right [T-Y0120-RGT]	MDC_HEAD_VERTEX_RE GION_R	7::1574
Head NOS Body			Head, NOS [T-Y0100]	MDC_HEAD	7::1576
Head Left Body			Head, NOS, Left [Head, left side, T-Y0102]	MDC_HEAD_L	7::1577
Head Right Body			Head, NOS, Right [Head, right side, T-Y0101]	MDC_HEAD_R	7::1578
LowerExtremity NOS Body			Lower extremity, NOS [T-Y9000]	MDC_LOEXT	7::1580
LowerExtremity Left Body			Lower extremity, NOS, Left [T-Y9000-LFT]	MDC_LOEXT_L	7::1581
LowerExtremity Right Body			Lower extremity, NOS, Right [T-Y9000-RGT]	MDC_LOEXT_R	7::1582
LowerExtremity Ankle, NOS Body			Lower extremity, Ankle [T-Y9500]	MDC_LOEXT_ANKLE	7::1584
LowerExtremity Ankle, Left Body			Lower extremity, Ankle, Left [Left ankle, T-Y9520]	MDC_LOEXT_ANKLE_L	7::1585
LowerExtremity Ankle, Right Body			Lower extremity, Ankle, Right [Right ankle, T-Y9510]	MDC_LOEXT_ANKLE_R	7::1586
LowerExtremity Foot, NOS Body			Lower extremity, Foot [T-Y9700]	MDC_LOEXT_FOOT	7::1588
LowerExtremity Foot, Left Body			Lower extremity, Foot, Left [Left foot, T-Y9720]	MDC_LOEXT_FOOT_L	7::1589
LowerExtremity Foot, Right Body			Lower extremity, Foot, Right [Right foot, T-Y9710]	MDC_LOEXT_FOOT_R	7::1590

Table A.8.8.5.1—Nomenclature and codes for miscellaneous body sites used in vital signs monitoring and measurement (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
LowerExtremity Heel, NOS Body			Lower extremity, Heel [T-Y9600]	MDC_LOEXT_HEEL	7::1592
LowerExtremity Heel, Left Body			Lower extremity, Heel, Left [T-Y9600-LFT]	MDC_LOEXT_HEEL_L	7::1593
LowerExtremity Heel, Right Body			Lower extremity, Heel, Right [T-Y9600-RGT]	MDC_LOEXT_HEEL_R	7::1594
LowerExtremity IntraOsseous, NOS Child Body			Intraosseous (child) (e.g., for fluid therapy)	MDC_LOEXT_INTRAOSSE RY_CHILD	7::1596
LowerExtremity IntraOsseous, Left Child Body			Intraosseous, Left (child) (e.g., for fluid therapy)	MDC_LOEXT_INTRAOSSE RY_CHILD_L	7::1597
LowerExtremity IntraOsseous, Right Child Body			Intraosseous, Right (child) (e.g., for fluid therapy)	MDC_LOEXT_INTRAOSSE RY_CHILD_R	7::1598
LowerExtremity Knee, NOS Body			Lower extremity, Knee [T-Y9200]	MDC_LOEXT_KNEE	7::1600
LowerExtremity Knee, Left Body			Lower extremity, Knee, Left [Left knee, T-Y9220]	MDC_LOEXT_KNEE_L	7::1601
LowerExtremity Knee, Right Body			Lower extremity, Knee, Right [Right knee, T-Y9210]	MDC_LOEXT_KNEE_R	7::1602
LowerExtremity Leg, NOS Body			Lower extremity, Leg [T-Y9400]	MDC_LOEXT_LEG	7::1604
LowerExtremity Leg, Left Body			Lower extremity, Leg, Left [Left leg, T-Y9420]	MDC_LOEXT_LEG_L	7::1605
LowerExtremity Leg, Right Body			Lower extremity, Leg, Right [Right leg, T-Y9410]	MDC_LOEXT_LEG_R	7::1606
LowerExtremity PoplitealRegion, NOS Body			Lower extremity, Popliteal region [T-Y9300]	MDC_LOEXT_POPLITEAL _REGION	7::1608
LowerExtremity PoplitealRegion, Left Body			Lower extremity, Popliteal region, Left [T-Y9300-LFT]	MDC_LOEXT_POPLITEAL _REGION_L	7::1609
LowerExtremity PoplitealRegion, Right Body			Lower extremity, Popliteal region, Right [T-Y9300-RGT]	MDC_LOEXT_POPLITEAL _REGION_R	7::1610
LowerExtremity Thigh, NOS Body			Lower extremity, Thigh [T-Y9100]	MDC_LOEXT_THIGH	7::1612
LowerExtremity Thigh, Left Body			Lower extremity, Thigh, Left [Left thigh, T-Y9120]	MDC_LOEXT_THIGH_L	7::1613
LowerExtremity Thigh, Right Body			Lower extremity, Thigh, Right [Right thigh, T-Y9110]	MDC_LOEXT_THIGH_R	7::1614

Table A.8.8.5.1—Nomenclature and codes for miscellaneous body sites used in vital signs monitoring and measurement (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
LowerExtremity Toe, NOS Body			Lower extremity, Toe [T-Y9800]	MDC_LOEXT_TOE	7::1616
LowerExtremity Toe, Left Body			Lower extremity, Toe, Left [T-Y9800-LFT]	MDC_LOEXT_TOE_L	7::1617
LowerExtremity Toe, Right Body			Lower extremity, Toe, Right [T-Y9800-RGT]	MDC_LOEXT_TOE_R	7::1618
LowerExtremity Toe, Fifth, NOS Body			Lower extremity, Fifth toe [T-Y9850]	MDC_LOEXT_TOE_FIFTH	7::1636
LowerExtremity Toe, Fifth, Left Body			Lower extremity, Fifth toe, Left [T-Y9850-LFT]	MDC_LOEXT_TOE_FIFTH_L	7::1637
LowerExtremity Toe, Fifth, Right Body			Lower extremity, Fifth toe, Right [T-Y9850-RGT]	MDC_LOEXT_TOE_FIFTH_R	7::1638
LowerExtremity Toe, Fourth, NOS Body			Lower extremity, Fourth toe [T-Y9840]	MDC_LOEXT_TOE_FOUR_TH	7::1632
LowerExtremity Toe, Fourth, Left Body			Lower extremity, Fourth toe, Left [T-Y9840-LFT]	MDC_LOEXT_TOE_FOUR_TH_L	7::1633
LowerExtremity Toe, Fourth, Right Body			Lower extremity, Fourth toe, Right [T-Y9840-RGT]	MDC_LOEXT_TOE_FOUR_TH_R	7::1634
LowerExtremity Toe, Great, NOS Body			Lower extremity, Great toe [T-Y9810]	MDC_LOEXT_TOE_GREAT	7::1620
LowerExtremity Toe, Great, Left Body			Lower extremity, Great toe, Left [T-Y9810-LFT]	MDC_LOEXT_TOE_GREAT_T_L	7::1621
LowerExtremity Toe, Great, Right Body			Lower extremity, Great toe, Right [T-Y9810-RGT]	MDC_LOEXT_TOE_GREAT_T_R	7::1622
LowerExtremity Toe, Second, NOS Body			Lower extremity, Second toe [T-Y9820]	MDC_LOEXT_TOE_SECON	7::1624
LowerExtremity Toe, Second, Left Body			Lower extremity, Second toe, Left [T-Y9820-LFT]	MDC_LOEXT_TOE_SECON_ND_L	7::1625
LowerExtremity Toe, Second, Right Body			Lower extremity, Second toe, Right [T-Y9820-RGT]	MDC_LOEXT_TOE_SECON_ND_R	7::1626
LowerExtremity Toe, Third, NOS Body			Lower extremity, Third toe [T-Y9830]	MDC_LOEXT_TOE_THIRD	7::1628
LowerExtremity Toe, Third, Left Body			Lower extremity, Third toe, Left [T-Y9830-LFT]	MDC_LOEXT_TOE_THIRD_L	7::1629
LowerExtremity Toe, Third, Right Body			Lower extremity, Third toe, Right [T-Y9830-RGT]	MDC_LOEXT_TOE_THIRD_R	7::1630

Table A.8.8.5.1—Nomenclature and codes for miscellaneous body sites used in vital signs monitoring and measurement (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Skin NOS Integumentary Body			Skin [T-01000] (e.g., for temperature measurement)	MDC_SKIN	7::2104
Trunk NOS Body			Trunk, NOS [T-Y1000]	MDC_TRUNK	7::1640
Trunk Left Body			Trunk, NOS, Left [T-Y1000-LFT]	MDC_TRUNK_L	7::1641
Trunk Right Body			Trunk, NOS, Right [T-Y1000-RGT]	MDC_TRUNK_R	7::1642
Trunk Abdomen, NOS Body			Trunk, Abdomen, NOS [T-Y4100]	MDC_TRUNK_ABDOM	7::1644
Trunk Abdomen, Left Body			Trunk, Abdomen, NOS, Left [T-Y4100-LFT]	MDC_TRUNK_ABDOM_L	7::1645
Trunk Abdomen, Right Body			Trunk, Abdomen, NOS, Right [T-Y4100-RGT]	MDC_TRUNK_ABDOM_R	7::1646
Trunk AbdominalCavity, NOS Body			Abdominal Cavity [T-Y4500] (e.g., for surgical drainage)	MDC_TRUNK_ABDOM_CA_VITY	7::1648
Trunk AbdominalCavity, Left Body			Abdominal Cavity, Left [T-Y4500-LFT] (e.g., for surgical drainage)	MDC_TRUNK_ABDOM_CA_VITY_L	7::1649
Trunk AbdominalCavity, Right Body			Abdominal Cavity, Right [T-Y4500-RGT] (e.g., for surgical drainage)	MDC_TRUNK_ABDOM_CA_VITY_R	7::1650
Trunk AbdominalWall, NOS Body			Trunk, Abdominal wall, NOS [T-Y4300]	MDC_TRUNK_ABDOM_W_ALL	7::1652
Trunk AbdominalWall, Left Body			Trunk, Abdominal wall, NOS, Left [T-Y4300-LFT]	MDC_TRUNK_ABDOM_W_ALL_L	7::1653
Trunk AbdominalWall, Right Body			Trunk, Abdominal wall, NOS, Right [T-Y4300-RGT]	MDC_TRUNK_ABDOM_W_ALL_R	7::1654
Trunk Back, NOS Body			Trunk, Back NOS [T-Y1100]	MDC_TRUNK_BACK	7::1656
Trunk Back, Left Body			Trunk, Back NOS, Left [T-Y1100-LFT]	MDC_TRUNK_BACK_L	7::1657
Trunk Back, Right Body			Trunk, Back NOS, Right [T-Y1100-RGT]	MDC_TRUNK_BACK_R	7::1658
Trunk Bladder Body			Bladder [T-74000] (e.g., for surgical drainage and contractility measurement)	MDC_TRUNK_BLADDER	7::1660
Trunk Breast, NOS Body			Trunk, Breast, NOS [T-04000]	MDC_TRUNK_BREAST	7::1664
Trunk Breast, Left Body			Trunk, Breast, NOS, Left [T-04000-LFT]	MDC_TRUNK_BREAST_L	7::1665
Trunk Breast, Right Body			Trunk, Breast, NOS, Right [T-04000-RGT]	MDC_TRUNK_BREAST_R	7::1666
Trunk Buttock, NOS Body			Trunk, Buttock, NOS [T-Y1600]	MDC_TRUNK_BUTTOCK	7::1668
Trunk Buttock, Left Body			Trunk, Buttock, NOS, Left [T-Y1600-LFT]	MDC_TRUNK_BUTTOCK_L	7::1669
Trunk Buttock, Right Body			Trunk, Buttock, NOS, Right [T-Y1600-RGT]	MDC_TRUNK_BUTTOCK_R	7::1670

Table A.8.8.5.1—Nomenclature and codes for miscellaneous body sites used in vital signs monitoring and measurement (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Trunk Diaphragm, NOS Body			Trunk, Diaphragma, NOS [T-Y2400]	MDC_TRUNK_DIAPHRAGM	7::1672
Trunk Diaphragm, Left Body			Trunk, Diaphragma, NOS, Left [T-Y2400-LFT]	MDC_TRUNK_DIAPHRAGM_L	7::1673
Trunk Diaphragm, Right Body			Trunk, Diaphragma, NOS, Right [T-Y2400-RGT]	MDC_TRUNK_DIAPHRAGM_R	7::1674
Trunk Hip, NOS Body			Trunk, Hip, NOS [T-Y1500]	MDC_TRUNK_HIP	7::1676
Trunk Hip, Left Body			Trunk, Hip, NOS, Left [T-Y1500-LFT]	MDC_TRUNK_HIP_L	7::1677
Trunk Hip, Right Body			Trunk, Hip, NOS, Right [T-Y1500-RGT]	MDC_TRUNK_HIP_R	7::1678
Trunk InguinalRegion, NOS Body			Trunk, Inguinal region, NOS [T-Y7000]	MDC_TRUNK_INGUINAL_REGION	7::1680
Trunk InguinalRegion, Left Body			Trunk, Inguinal region, NOS, Left [T-Y7000-LFT]	MDC_TRUNK_INGUINAL_REGION_L	7::1681
Trunk InguinalRegion, Right Body			Trunk, Inguinal region, NOS, Right [T-Y7000-RGT]	MDC_TRUNK_INGUINAL_REGION_R	7::1682
Trunk Intragastric Body			Intragastric [T-6X320] (e.g., for miscellaneous measurements, e.g., pH)	MDC_TRUNK_INTRAGASTRIC	7::1684
Trunk LumbarRegion, NOS Body			Trunk, Lumbar region [T-Y1300]	MDC_TRUNK_LUMBAR_REGION	7::1688
Trunk LumbarRegion, Left Body			Trunk, Lumbar region, Left [T-Y1300-LFT]	MDC_TRUNK_LUMBAR_REGION_L	7::1689
Trunk LumbarRegion, Right Body			Trunk, Lumbar region, Right [T-Y1300-RGT]	MDC_TRUNK_LUMBAR_REGION_R	7::1690
Trunk Oesophagus Body			Oesophagus, NOS [T-62000] (e.g., for contractility measurement)	MDC_TRUNK_ESOPH	7::1692
Trunk Pelvis, NOS Body			Trunk, Pelvis, NOS [T-Y6000]	MDC_TRUNK_PELV	7::1696
Trunk Pelvis, Left Body			Trunk, Pelvis, NOS, Left [T-Y6000-LFT]	MDC_TRUNK_PELV_L	7::1697
Trunk Pelvis, Right Body			Trunk, Pelvis, NOS, Right [T-Y6000-RGT]	MDC_TRUNK_PELV_R	7::1698
Trunk Pelvis, NOS Body, Drainage			Pelvis [T-Y6221] (e.g., for surgical drainage)	MDC_TRUNK_PELV_SURG_DRAINAGE	7::1700
Trunk Pelvis, Left Body, Drainage			Pelvis, Left [T-Y6221-LFT] (e.g., for surgical drainage)	MDC_TRUNK_PELV_SURG_DRAINAGE_L	7::1701
Trunk Pelvis, Right Body, Drainage			Pelvis, Right [T-Y6221-RGT] (e.g., for surgical drainage)	MDC_TRUNK_PELV_SURG_DRAINAGE_R	7::1702
Trunk Perineum, NOS Body			Trunk, Perineum, NOS [T-Y1700]	MDC_TRUNK_PERINEUM	7::1704

Table A.8.8.5.1—Nomenclature and codes for miscellaneous body sites used in vital signs monitoring and measurement (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Trunk Perineum, Left Body			Trunk, Perineum, NOS, Left [T-Y1700-LFT]	MDC_TRUNK_PERINEUM_L	7::1705
Trunk Perineum, Right Body			Trunk, Perineum, NOS, Right [T-Y1700-RGT]	MDC_TRUNK_PERINEUM_R	7::1706
Trunk Pleura, ChestWall, Apical, NOS Body			Pleura and chestwall, apical [Pleura and chestwall, NOS, T-29950] (e.g., for surgical drainage)	MDC_TRUNK_PLEURA_CHESTWALL_APICAL	7::2040
Trunk Pleura, ChestWall, Apical, Left Body			Pleura and chestwall, apical, Left [Pleura and chestwall, Left, T-29950-LFT] (e.g., for surgical drainage)	MDC_TRUNK_PLEURA_CHESTWALL_APICAL_L	7::2041
Trunk Pleura, ChestWall, Apical, Right Body			Pleura and chestwall, apical, Right [Pleura and chestwall, Right, T-29950-RGT] (e.g., for surgical drainage)	MDC_TRUNK_PLEURA_CHESTWALL_APICAL_R	7::2042
Trunk Pleura, ChestWall, Basal, NOS Body			Pleura and chestwall, basal [Pleura and chestwall, NOS, T-29950] (e.g., for surgical drainage)	MDC_TRUNK_PLEURA_CHESTWALL_BASAL	7::2044
Trunk Pleura, ChestWall, Basal, Left Body			Pleura and chestwall, basal, Left [Pleura and chestwall, Left, T-29950-LFT] (e.g., for surgical drainage)	MDC_TRUNK_PLEURA_CHESTWALL_BASAL_L	7::2045
Trunk Pleura, ChestWall, Basal, Right Body			Pleura and chestwall, basal, Right [Pleura and chestwall, Right, T-29950-RGT] (e.g., for surgical drainage)	MDC_TRUNK_PLEURA_CHESTWALL_BASAL_R	7::2046
Trunk Rectum Body			Rectum [T-59600] (e.g., for temperature measurement)	MDC_TRUNK_RECTUM	7::2100
Trunk SacrococcygealRegion, NOS Body			Trunk, Sacrococcygeal region [T-Y1400]	MDC_TRUNK_SACROSOC CYG_REGION	7::1712
Trunk SacrococcygealRegion, Left Body			Trunk, Sacrococcygeal region [T-Y1400-LFT]	MDC_TRUNK_SACROSOC CYG_REGION_L	7::1713
Trunk SacrococcygealRegion, Right Body			Trunk, Sacrococcygeal region, Right [T-Y1400-RGT]	MDC_TRUNK_SACROSOC CYG_REGION_R	7::1714
Trunk ScapularRegion, NOS Body			Trunk, Scapular region of back [T-Y1200]	MDC_TRUNK_SCAP_REGI ON	7::1716
Trunk ScapularRegion, Left Body			Trunk, Scapular region of back, Left [T-Y1200-LFT]	MDC_TRUNK_SCAP_REGI ON_L	7::1717
Trunk ScapularRegion, Right Body			Trunk, Scapular region of back, Right [T-Y1200-RGT]	MDC_TRUNK_SCAP_REGI ON_R	7::1718
Trunk Thorax, NOS Body			Trunk, Thorax, NOS [T-Y2100]	MDC_TRUNK_THORAX	7::1720

Table A.8.8.5.1—Nomenclature and codes for miscellaneous body sites used in vital signs monitoring and measurement (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Trunk Thorax, Left Body			Trunk, Thorax, NOS, Left [Left Thorax, T-Y2120]	MDC_TRUNK_THORAX_L	7::1721
Trunk Thorax, Right Body			Trunk, Thorax, NOS, Right [Right Thorax, T-Y2110]	MDC_TRUNK_THORAX_R	7::1722
Trunk Transesophageal Body			Transesophageal [T-62200] (e.g., for miscellaneous measurements, e.g., Echo)	MDC_TRUNK_TRANSESO PH	7::1724
Trunk Ureter, NOS Body			Ureter [T-73000] (e.g., for surgical drainage)	MDC_TRUNK_URETER	7::1728
Trunk Ureter, Left Body			Ureter, Left [Left ureter, T-73020] (e.g., for surgical drainage)	MDC_TRUNK_URETER_L	7::1729
Trunk Ureter, Right Body			Ureter, Right [Right ureter, T-73010] (e.g., for surgical drainage)	MDC_TRUNK_URETER_R	7::1730
UpperExtremity NOS Body			Upper extremity, NOS [T-Y8000]	MDC_UPEXT	7::1732
UpperExtremity Left Body			Upper extremity, NOS, Left [T-Y8000-LFT]	MDC_UPEXT_L	7::1733
UpperExtremity Right Body			Upper extremity, NOS, Right [T-Y8000-RGT]	MDC_UPEXT_R	7::1734
UpperExtremity AntecubitalRegion, NOS Body			Upper extremity, Antecubital region [T-Y8400]	MDC_UPEXT_ANTECUBIT AL_REGION	7::1736
UpperExtremity AntecubitalRegion, Left Body			Upper extremity, Antecubital region, Left [T-Y8400-LFT]	MDC_UPEXT_ANTECUBIT AL_REGION_L	7::1737
UpperExtremity AntecubitalRegion, Right Body			Upper extremity, Antecubital region, Right [T-Y8400-RGT]	MDC_UPEXT_ANTECUBIT AL_REGION_R	7::1738
UpperExtremity Axilla, NOS Body			Upper extremity, Axilla, NOS [T-Y8100]	MDC_UPEXT_AXILLA	7::1740
UpperExtremity Axilla, Left Body			Upper extremity, Axilla, NOS, Left [T-Y8100-LFT]	MDC_UPEXT_AXILLA_L	7::1741
UpperExtremity Axilla, Right Body			Upper extremity, Axilla, NOS, Right [T-Y8100-RGT]	MDC_UPEXT_AXILLA_R	7::1742
UpperExtremity Elbow, NOS Body			Upper extremity, Elbow, NOS [T-Y8300]	MDC_UPEXT_ELBOW	7::1744
UpperExtremity Elbow, Left Body			Upper extremity, Elbow, NOS, Left [Left elbow, T-Y8320]	MDC_UPEXT_ELBOW_L	7::1745
UpperExtremity Elbow, Right Body			Upper extremity, Elbow, NOS, Right [Right elbow, T-Y8310]	MDC_UPEXT_ELBOW_R	7::1746
UpperExtremity Finger, NOS Body			Upper extremity, Finger, NOS [T-Y8800] (e.g., for oximetric measurement)	MDC_UPEXT_FINGER	7::1748
UpperExtremity Finger, Left Body			Upper extremity, Finger, NOS, Left [T-Y8800-LFT] (e.g., for oximetric measurement)	MDC_UPEXT_FINGER_L	7::1749

Table A.8.8.5.1—Nomenclature and codes for miscellaneous body sites used in vital signs monitoring and measurement (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
UpperExtremity Finger, Right Body			Upper extremity, Finger, NOS, Right [T-Y8800-RGT] (e.g., for oximetric measurement)	MDC_UPEXT_FINGER_R	7::1750
UpperExtremity Finger, Index, NOS Body			Upper extremity, Index finger, NOS [T-Y8820]	MDC_UPEXT_FINGER_IN DEX	7::1752
UpperExtremity Finger, Index, Left Body			Upper extremity, Index finger, NOS, Left [T-Y8820-LFT]	MDC_UPEXT_FINGER_IN DEX_L	7::1753
UpperExtremity Finger, Index, Right Body			Upper extremity, Index finger, NOS, Right [Right, T-Y8820-RGT]	MDC_UPEXT_FINGER_IN DEX_R	7::1754
UpperExtremity Finger, Little, NOS Body			Upper extremity, Little finger, NOS [T-Y8850]	MDC_UPEXT_FINGER_LIT TLE	7::1756
UpperExtremity Finger, Little, Left Body			Upper extremity, Little finger, NOS, Left [T-Y8850-LFT]	MDC_UPEXT_FINGER_LIT TLE_L	7::1757
UpperExtremity Finger, Little, Right Body			Upper extremity, Little finger, NOS, Right [T-Y8850-RGT]	MDC_UPEXT_FINGER_LIT TLE_R	7::1758
UpperExtremity Finger, Middle, NOS Body			Upper extremity, Middle finger, NOS [T-Y8830]	MDC_UPEXT_FINGER_MI DDLE	7::1760
UpperExtremity Finger, Middle, Left Body			Upper extremity, Middle finger, NOS, Left [T-Y8830-LFT]	MDC_UPEXT_FINGER_MI DDLE_L	7::1761
UpperExtremity Finger, Middle, Right Body			Upper extremity, Middle finger, NOS, Right [T-Y8830-RGT]	MDC_UPEXT_FINGER_MI DDLE_R	7::1762
UpperExtremity Finger, Ring, NOS Body			Upper extremity, Ring finger, NOS [T-Y8840]	MDC_UPEXT_FINGER_RI NG	7::1764
UpperExtremity Finger, Ring, Left Body			Upper extremity, Ring finger, NOS, Left [T-Y8840-LFT]	MDC_UPEXT_FINGER_RI NG_L	7::1765
UpperExtremity Finger, Ring, Right Body			Upper extremity, Ring finger, NOS, Right [T-Y8840-RGT]	MDC_UPEXT_FINGER_RI NG_R	7::1766
UpperExtremity Forearm, NOS Body			Upper extremity, Forearm, NOS [T-Y8500]	MDC_UPEXT_FOREARM	7::1768
UpperExtremity Forearm, Left Body			Upper extremity, Forearm, NOS, Left [Left forearm, T-Y8520]	MDC_UPEXT_FOREARM_ L	7::1769
UpperExtremity Forearm, Right Body			Upper extremity, Forearm, NOS, Right [Right forearm, T-Y8510]	MDC_UPEXT_FOREARM_ R	7::1770
UpperExtremity Hand, NOS Body			Upper extremity, Hand, NOS [T-Y8700]	MDC_UPEXT_HAND	7::1772
UpperExtremity Hand, Left Body			Upper extremity, Hand, NOS, Left [Left hand, T-Y8720]	MDC_UPEXT_HAND_L	7::1773

Table A.8.8.5.1—Nomenclature and codes for miscellaneous body sites used in vital signs monitoring and measurement (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
UpperExtremity Hand, Right Body			Upper extremity, Hand, NOS, Right [Right hand, T-Y8710]	MDC_UPEXT_HAND_R	7::1774
UpperExtremity Finger, Thumb, NOS Body			Upper extremity, Thumb, NOS [T-Y8810]	MDC_UPEXT_THUMB	7::1776
UpperExtremity Finger, Thumb, Left Body			Upper extremity, Thumb, NOS, Left [T-Y8810-LFT]	MDC_UPEXT_THUMB_L	7::1777
UpperExtremity Finger, Thumb, Right Body			Upper extremity, Thumb, NOS, Right [T-Y8810-RGT]	MDC_UPEXT_THUMB_R	7::1778
UpperExtremity UpperArm, NOS Body			Upper extremity, Upper arm, NOS [T-Y8200]	MDC_UPEXT_ARM_UPPE_R	7::1780
UpperExtremity UpperArm, Left Body			Upper extremity, Upper arm, NOS, Left [Left upper arm, T-Y8220]	MDC_UPEXT_ARM_UPPE_R_L	7::1781
UpperExtremity UpperArm, Right Body			Upper extremity, Upper arm, NOS, Right [Right upper arm, T-Y8210]	MDC_UPEXT_ARM_UPPE_R_R	7::1782
UpperExtremity Wrist, NOS Body			Upper extremity, Wrist, NOS [T-Y8600]	MDC_UPEXT_WRIST	7::1784
UpperExtremity Wrist, Left Body			Upper extremity, Wrist, NOS, Left [Left wrist, T-Y8620]	MDC_UPEXT_WRIST_L	7::1785
UpperExtremity Wrist, Right Body			Upper extremity, Wrist, NOS, Right [Right wrist, T-Y8610]	MDC_UPEXT_WRIST_R	7::1786
Vein Bulb, Jugular, NOS Body			Internal jugular vein, superior bulb [T-48171] (e.g., for oximetric measurement)	MDC_VEIN_JUGULAR_BULB	7::1788
Vein Bulb, Jugular, Left Body			Internal jugular vein, superior bulb, Left [T-48171-LFT] (e.g., for oximetric measurement)	MDC_VEIN_JUGULAR_BULB_L	7::1789
Vein Bulb, Jugular, Right Body			Internal jugular vein, superior bulb, Right [T-48171-RGT] (e.g., for oximetric measurement)	MDC_VEIN_JUGULAR_BULB_R	7::1790
Vein Cava, Inferior Body			Vena cava inferior [T-48710] (e.g., for fluid therapy)	MDC_VEIN_CAVA_INF	7::1792
Vein Cava, Superior Body			Vena cava superior [T-48610] (e.g., for fluid therapy)	MDC_VEIN_CAVA_SUP	7::1796
Vein Hand, Back, NOS Body			Back of the hand (e.g., for fluid therapy)	MDC_VEIN_HAND_BACK	7::1800
Vein Hand, Back, Left Body			Back of the hand, Left (e.g., for fluid therapy)	MDC_VEIN_HAND_BACK_L	7::1801
Vein Hand, Back, Right Body			Back of the hand, Right (e.g., for fluid therapy)	MDC_VEIN_HAND_BACK_R	7::1802
Vein Peripheral, NOS Body			Peripheral venous vessel (e.g., for fluid therapy)	MDC_VEIN_PERIPHERAL	7::1804

Table A.8.8.5.1—Nomenclature and codes for miscellaneous body sites used in vital signs monitoring and measurement *(multipage table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Vein Peripheral, Left Body			Peripheral venous vessel, Left (e.g., for fluid therapy)	MDC_VEIN_PERIPHERAL_L	7::1805
Vein Peripheral, Right Body			Peripheral venous vessel, Right (e.g., for fluid therapy)	MDC_VEIN_PERIPHERAL_R	7::1806
Vein Umbilicalis, NOS Child Body			Vena umbilicalis [T-49062] (child) (e.g., for fluid therapy)	MDC_VEIN_UMBILICAL_C_HILD	7::1808
Vein Umbilicalis, Left Child Body			Vena umbilicalis, Left [T-49062-LFT] (child) (e.g., for fluid therapy)	MDC_VEIN_UMBILICAL_C_HILD_L	7::1809
Vein Umbilicalis, Right Child Body			Vena umbilicalis, Right [T-49062-RGT] (child) (e.g., for fluid therapy)	MDC_VEIN_UMBILICAL_C_HILD_R	7::1810
Vessel NOS CVS Body			Blood Vessel [T-40000] (e.g., for temperature measurement)	MDC_VESSEL_NOS	7::2108

A.8.9 Equipment sites used in vital signs monitoring and measurement

A.8.9.1 Base concepts

The base concepts describe the object of a measurement.

A.8.9.2 First set of differentiating criteria

The second field of the systematic name refers to the measurement features.

A.8.9.2.1 Semantic link "*is positioned*:"

Descriptors for subspecification of an area are as follows:

- **Left**
- **Right**

A.8.9.3 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement. No descriptor is applicable.

A.8.9.4 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional system for which the term is relevant.

A.8.9.4.1 Semantic link "*pertains to*:"

The following descriptors are applicable:

- **Equipment**

A.8.9.5 Code table

See Table A.8.9.5.1 for the nomenclature and codes for equipment sites used in vital signs monitoring and measurement.

Table A.8.9.5.1—Nomenclature and codes for external sites used in vital signs monitoring and measurement

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Blanket Equipment	Blanket		Blanket as site for measurement (e.g., temperature)	MDC_EQUIP_BLANKET	7::10000

A.8.10 Qualifiers of body site locations**A.8.10.1 Introduction**

Subclause A.8.10 holds nomenclature for more precise specification of body sites. Items included in Table A.8.10.6.1 can be used in the attribute Body-Site-List in the Metric object of the DIM. These items are used alone in this attribute, in case the body site location is specified in the measurement item itself, e.g., Pressure | Systolic | Blood | LeftVentricle | CVS. The attribute Body-Site-List in the Metric object can also be filled by a body site location and a body site qualifier, if the location is not specified in the measurement itself.

A.8.10.2 Base concept

One base concept is applicable:

- **Qualifier**

A.8.10.3 First set of differentiating criteria

The second field of systematic name refers to the measurement features.

A.8.10.3.1 Semantic link "*has relative position:*"

Applicable descriptors are as follows:

- **Anterior**
- **Bilateral**
- **Deep**
- **Distal**
- **Inferior**
- **Intermediate**
- **Medial**
- **Midline**
- **Lateral**
- **Left**
- **Posterior**
- **Proximal**
- **Right**
- **Superficial**
- **Superior**

A.8.10.3.2 Semantic link: "*describes portion of muscle:*"

Applicable descriptors are as follows:

- **Belly**
- **Insertion**

A.8.10.3.3 Semantic link "describes portion of nerve:"

Applicable descriptors are as follows:

- **CNS_Connection**
- **Root**

A.8.10.3.4 Semantic link "relates to:"

The descriptor is as follows:

- **Site**

A.8.10.4 Second set of differentiating criteria

The third fields of the systematic name describes the target of measurement.

A.8.10.4.1 Semantic link "concerns:"

Applicable descriptors are as follows:

- **Arm**
- **Forearm**
- **Leg**
- **Muscle**
- **Nerve**
- **Thigh**

A.8.10.5 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organic system for which the term is relevant

A.8.10.5.1 Semantic link "pertains to:"

There is only one descriptor:

- **Body**

A.8.10.6 Code table

See Table A.8.10.6.1 for the nomenclature and codes for qualifiers of body site locations.

Table A.8.10.6.1—Nomenclature and codes for qualifiers of body site locations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Qualifier Site, Bilateral Body	Bilateral		Bilateral of an otherwise defined location	MDC_BS_QUAL_BILATERAL	7::8193
Qualifier Site, Left Body	Left		Left of an otherwise defined location	MDC_BS_QUAL_LEFT	7::8194
Qualifier Site, Midline Body	Midline		Midline of an otherwise defined location	MDC_BS_QUAL_MIDLINE	7::8195
Qualifier Site, Right Body	Right		Right of an otherwise defined location	MDC_BS_QUAL_RIGHT	7::8196
Qualifier Site, High Body	High		High of an otherwise defined location	MDC_BS_QUAL_HIGH	7::8197
Qualifier Site, Low Body	Low		Low of an otherwise defined location	MDC_BS_QUAL_LOW	7::8198
Qualifier Site, Mid Body	Mid		Mid of an otherwise defined location	MDC_BS_QUAL_MID	7::8199
Qualifier Site, Anterior Body	Anterior		Anterior of an otherwise defined location	MDC_BS_QUAL_ANTERIOR	7::8201
Qualifier Site, Inferior Body	Inferior		Inferior of an otherwise defined location	MDC_BS_QUAL_INFERIOR	7::8202
Qualifier Site, Posterior Body	Posterior		Posterior of an otherwise defined location	MDC_BS_QUAL_POSTERIOR	7::8203
Qualifier Site, Superior Body	Superior		Superior of an otherwise defined location	MDC_BS_QUAL_SUPERIOR	7::8204
Qualifier Site, Lateral Body	Lateral		Lateral of an otherwise defined location	MDC_BS_QUAL_LATERAL	7::8205
Qualifier Site, Medial Body	Medial		Medial of an otherwise defined location	MDC_BS_QUAL_MEDIAL	7::8206
Qualifier Site, Distal Body	Distal		Distal of an otherwise defined location	MDC_BS_QUAL_DISTAL	7::8207
Qualifier Site, Intermediate Body	Intermediate		Intermediate of an otherwise defined location	MDC_BS_QUAL_INTERMEDIATE	7::8208
Qualifier Site, Proximal Body	Proximal		Proximal of an otherwise defined location	MDC_BS_QUAL_PROXIMAL	7::8209
Qualifier Site, Deep Body	Deep		Deep	MDC_BS_QUAL_DEEP	7::8210
Qualifier Site Superficial Body	Superficial		Superficial	MDC_BS_QUAL_SUPERFICIAL	7::8211
Qualifier Site Belly, Muscle Body	Belly		Belly of muscle	MDC_BS_QUAL_MUSCLE_BELLY	7::8256
Qualifier Site Insertion, Muscle Body	Insertion		Insertion of muscle	MDC_BS_QUAL_MUSCLE_INSERTION	7::8257
Qualifier Site CNS_Connection, Nerve Body	CNS connection		CNS connection of nerve (CNS site, associated with a nerve, e.g., for evoked potentials caused by stimulation of that nerve)	MDC_BS_QUAL_NERVE_CNS_CONNECTION	7::8258
Qualifier Site Root, Nerve Body	Root portion		Root portion of nerve	MDC_BS_QUAL_NERVE_ROOT	7::8259

Table A.8.10.6.1—Nomenclature and codes for qualifiers of body site locations (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Qualifier Site, Proximal Arm Body	Proximal arm portion		Proximal arm portion of nerve	MDC_BS_QUAL_NERVE_PROXIMAL_ARM	7::8260
Qualifier Site, Intermediate Arm Body	Intermediate arm portion		Intermediate arm portion of nerve	MDC_BS_QUAL_NERVE_INTERMED_ARM	7::8261
Qualifier Site, Distal Arm Body	Distal arm portion		Distal arm portion of nerve	MDC_BS_QUAL_NERVE_DISTAL_ARM	7::8262
Qualifier Site, Proximal Forearm Body	Proximal forearm portion		Proximal forearm portion of nerve	MDC_BS_QUAL_NERVE_PROXIMAL_FOREARM	7::8263
Qualifier Site, Intermediate Forearm Body	Intermediate forearm portion		Intermediate forearm portion of nerve	MDC_BS_QUAL_NERVE_INTERMED_FOREARM	7::8264
Qualifier Site, Distal Forearm Body	Distal forearm portion		Distal forearm portion of nerve	MDC_BS_QUAL_NERVE_DISTAL_FOREARM	7::8265
Qualifier Site, Proximal Thigh Body	Proximal thigh portion		Proximal thigh portion of nerve	MDC_BS_QUAL_NERVE_PROXIMAL_THIGH	7::8266
Qualifier Site, Intermediate Thigh Body	Intermediate thigh portion		Intermediate thigh portion of nerve	MDC_BS_QUAL_NERVE_INTERMED_THIGH	7::8267
Qualifier Site, Distal Thigh Body	Distal thigh portion		Distal thigh portion of nerve	MDC_BS_QUAL_NERVE_DISTAL_THIGH	7::8268
Qualifier Site, Proximal Leg Body	Proximal leg portion		Proximal leg portion of nerve	MDC_BS_QUAL_NERVE_PROXIMAL_LEG	7::8269
Qualifier Site, Intermediate Leg Body	Intermediate leg portion		Intermediate leg portion of nerve	MDC_BS_QUAL_NERVE_INTERMED_LEG	7::8270
Qualifier Site, Distal Leg Body	Distal leg portion		Distal leg portion of nerve	MDC_BS_QUAL_NERVE_DISTAL_LEG	7::8271

A.9 Nomenclature, data dictionary, and codes for events and alerts (Partition 3)

A.9.1 Introduction

Clause A.9 presents a nomenclature for systematic names for events and alerts in physiologic monitoring. Every item in the event tables (i.e., Table A.9.2.5.1 and Table A.9.3.5.1) is an event that may become an alert. In both cases (i.e., event or alert), the occurrence is handled by one of the objects in the Alert Package of the DIM, depending on the implementation. The systematic names are grouped in two tables:

- Table A.9.2.5.1 holds systematic names concerning patient-oriented events that are derived from physiologic signals, e.g., ECG, EEG. These events are triggered if specific diagnostic patterns are observed in the physiologic signal. These events are called *PatternEvent*. (See A.9.2.)
- Table A.9.3.5.1 holds systematic names concerning events that are more device-oriented. These events are fired if an error condition occurs in a device itself, in its environment, or in the resulting data. These events are called *ErrorEvent* or *LimitEvent* (if a limit is exceeded). Another type of event, *SynchronizationEvent*, is used for synchronizing devices or processes. Yet another type of event, *Advisory*, is used for warnings and instructions to the user, e.g., "calibration necessary." (See A.9.3.)

A.9.2 Diagnostic pattern events

A.9.2.1 Base concepts

The following base concepts describe the condition in a measurement leading to an event:

- **LimitEvent**
- **Status**
- **PatternEvent**

A.9.2.2 First set of differentiating criteria

The second field of the systematic name refers to the measurement features.

A.9.2.2.1 Semantic link "**concerns:**"

Applicable descriptors are as follows:

- **Apnea**
- **AssistedSpontBreathing**
- **BreathSpontaneous**
- **Concentration**
- **Contraction**
- **Discharge**
- **Extrasystoles**
- **HighLimit**
- **MachineGeneratedBreath**
- **Oxygen**
- **Pacer**
- **Rate**
- **Rhythm**
- **Status**

- Volume
- VolumeExhale

A.9.2.2.2 Semantic link "*has origin*:"

Applicable descriptors are as follows:

- Atrial
- Junctional
- Sinus
- SupraVentricular
- Ventricular

A.9.2.2.3 Semantic link: "*has diagnostic type*:"

The following group describes the type of an ECG alert:

- Asystole
- AV_Block
- Bigeminus
- Bradycardia
- Couplet
- Fibrillation
- Flutter
- Irregular
- MissedBeat
- Multifomed
- Paroxysmal
- Premature
- R-on-T
- Tachycardia
- Trigeminus

The following group describes the type of an EEG alert:

- ClinicalSeizure
- Epileptiform
- SharpSpikes
- SpikeAndWaves

A.9.2.2.4 Semantic link "*has specification*:"

Applicable descriptors are as follows:

- 2:1
- 3:1
- 4:1
- Desaturation
- Escalation
- Extreme
- Frequent

- **Grade1**
- **Grade2**
- **Grade3**
- **Paced**
- **Pair**
- **Sensed**
- **Run**

A.9.2.2.5 Semantic link "*has error condition:*"

Applicable descriptors are as follows:

- **Artifact**
- **Error**
- **NotCaptured**
- **NotConstant**
- **NotSensing**

A.9.2.3 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement.

A.9.2.3.1 Semantic link "*concerns:*"

Descriptors for the organ are as follows:

- **Cortex**
- **Heart**

Descriptors for the physiologic signal are as follows:

- **ECG**
- **EEG**

A.9.2.4 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organic system for which the term is relevant.

A.9.2.4.1 Semantic link "*pertains to:*"

The following descriptors are possible:

- **CNS**
- **CVS**
- **Respiration**
- **Ventilator**

A.9.2.5 Code table

See Table A.9.2.5.1 for the nomenclature and codes for pattern events.

Table A.9.2.5.1—Nomenclature and codes for pattern events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Event non-specific			Event, non-specific [NOS] (This code is unusual as it applies only to an object.)	MDC_EVT_NOS	3::61439
Advisory Heart, Beat Heart, ECG CVS	Heartbeat		Heartbeat	MDC_EVT_ECG_CARD_B EAT	3::3162
Advisory Heart, Rate, Low Heart, ECG CVS	Low heart rate		Low heart rate	MDC_EVT_ECG_CARD_B EAT_RATE_LO	3::3160
Advisory Heart, Rate, High Heart, ECG CVS	High heart rate		High heart rate	MDC_EVT_ECG_CARD_B EAT_RATE_HI	3::3156
Advisory Heart, Rate, Irregular Heart, ECG CVS	Irregular heart rate		Error Event: Irregular heart rate (which means the beat detector finds a highly variable heart rate and cannot derive a consistent/stable value)	MDC_EVT_ECG_CARD_B EAT_RATE_IRREG	3::3158
LimitEvent Apnea Respiration	Apnea		No breathing within a pre-configured time span	MDC_EVT_APNEA	3::3072
LimitEvent Apnea, Pressure Respiration	Apnea		Apnea - pressure absent for 15 seconds	MDC_EVT_VENT_RESP_A PNEA_15_SEC	3::3284
LimitEvent Apnea, VolumeExhale Respiration	Apnea		Apnea - no volume exhale for 30 seconds	MDC_EVT_VENT_RESP_A PNEA_30_SEC	3::3292
LimitEvent AssistedSpontBreathing Respiration	ASB > x sec		Assisted spontaneous breathing longer than a predefined time span (PSW)	MDC_EVT_RESP_BREAT HING_SPONT_ASSIST_PS W	3::3278
LimitEvent Bradycardia, Extreme Heart, ECG CVS	Extreme bradycardia		Limit Event: Extreme Bradycardia (escalated low HR limit, not a brady rhythm)	MDC_EVT_ECG_BRADY_ EXTREME	3::3086
LimitEvent Concentration, Oxygen, Desaturation Respiration	Desaturation		Limit Event: Desaturation (escalated low oxygen alarm, used esp. in neonatal)	MDC_EVT_DESAT	3::3246
LimitEvent Extrasystoles, Contraction, Ventricular, Premature, HighLimit Heart, ECG CVS	PVC rate alarm		A specific limit alert on the PVC rate	MDC_EVT_ECG_V_P_C_R ATE	3::3252
LimitEvent Rhythm, Asystole Heart, ECG CVS	Asystole		No QRS-complex found in predefined time period	MDC_EVT_ECG_ASYSTO LE	3::3076
LimitEvent Tachycardia, Extreme Heart, ECG CVS	Extreme tachycardia		Limit Event: Extreme Tachycardia (escalated high HR limit, not a tachy rhythm)	MDC_EVT_ECG_TACHY_ EXTREME	3::3122
LimitEvent Bradycardia Heart, ECG CVS	Bradycardia		Sustained Bradycardia	MDC_EVT_ECG_BRADY_ SUST	3::3088
PatternEvent Heart, ECG CVS	Arrhythmia event		Unspecified ECG (arrhythmia) event	MDC_EVT_ECG_ARRHY	3::3266
PatternEvent Heart, ECG CVS	Arrhythmia event		Unspecified ECG (arrhythmia) event	MDC_EVT_ECG_PATT	3::3106

Table A.9.2.5.1—Nomenclature and codes for pattern events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
PatternEvent Extrasystoles, Contraction, Atrial, Premature Heart, ECG CVS		PAC	Premature atrial contraction	MDC_EVT_ECG_ATR_P_C	3::3130
PatternEvent Discharge, ClinicalSeizure Cortex, EEG CNS	Clinical seizure discharge		Clinical seizure discharge in EEG	MDC_EVT_EEG_DISCHG_SEIZ_CLIN	3::3264
PatternEvent Discharge, Epileptiform Cortex, EEG CNS	Epileptiform discharges		Epileptiform discharges in EEG	MDC_EVT_EEG_DISCHG_EPILEPTIFORM	3::3268
PatternEvent Extrasystoles, Contraction, Supraventricular Heart, ECG CVS	Supraventricular beat		Supraventricular beat	MDC_EVT_ECG_SV_BEAT	3::3188
PatternEvent Extrasystoles, Contraction, Supraventricular, Premature Heart, ECG CVS		SPVC	Supraventricular extrasystole	MDC_EVT_ECG_SV_P_C	3::3190
PatternEvent Extrasystoles, Contraction, Supraventricular, Premature, Frequent Heart, ECG CVS		FSPVC	Frequent supraventricular extrasystoles	MDC_EVT_ECG_SV_P_C_FREQ	3::3290
PatternEvent Extrasystoles, Contraction, Supraventricular, Premature, Run Heart, ECG CVS		RUN S	Several consecutive supraventricular extrasystoles	MDC_EVT_ECG_SV_P_C_RUN	3::3248
PatternEvent Extrasystoles, Contraction, Ventricular, Premature Heart, ECG CVS		PVC	Premature ventricular contraction	MDC_EVT_ECG_V_P_C	3::3204
PatternEvent Extrasystoles, Contraction, Ventricular, Premature, Frequent Heart, ECG CVS		FPVC	Frequent premature ventricular contractions	MDC_EVT_ECG_V_P_C_FREQ	3::3274
PatternEvent Extrasystoles, Contraction, Ventricular, Premature, Multiformed Heart, ECG CVS		MFPVC	Multiformed premature ventricular contractions	MDC_EVT_ECG_V_P_C_MULTIFORM	3::3208
PatternEvent Extrasystoles, Contraction, Ventricular, Premature, R-on-T Heart, ECG CVS		RTPVC	Premature ventricular contraction, R-on-T	MDC_EVT_ECG_V_P_C_RonT	3::3206
PatternEvent Extrasystoles, Contraction, Ventricular, Premature, Run Heart, ECG CVS		RUN V	Several consecutive ventricular extrasystoles	MDC_EVT_ECG_V_P_C_RUN	3::3212

Table A.9.2.5.1—Nomenclature and codes for pattern events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
PatternEvent Extrasystoles, Contraction, Ventricular, Premature, Pair Heart, ECG CVS	Pair of PVCs		Pair of premature ventricular contractions	MDC_EVT_ECG_V_P_C_P AIR	3::3210
PatternEvent Extrasystoles, Ventricular, Triplet Heart, ECG CVS	VPC Triplet		VPC Triplet	MDC_EVT_ECG_V_P_C_T RIP	3::3214
PatternEvent Extrasystoles, Contraction, Ventricular, Premature, Run, Escalation Heart, ECG CVS	Escalation of run of PVC		Ventricular rhythm: escalation of Run of PVC, not yet flutter	MDC_EVT_ECG_V_RHY	3::3220
PatternEvent Extrasystoles, Ventricular, Bigeminy Heart, ECG CVS	Ventricular bigeminy		Ventricular bigeminy	MDC_EVT_ECG_BIGEM	3::3082
PatternEvent Extrasystoles, Ventricular, Bigeminy Heart, ECG CVS	Ventricular bigeminy		Ventricular bigeminy	MDC_EVT_ECG_V_BIGEM	3::3196
PatternEvent Extrasystoles, Ventricular, Trigeminy Heart, ECG CVS	Ventricular trigeminy		Ventricular trigeminy	MDC_EVT_ECG_TRIGEM	3::3126
PatternEvent Extrasystoles, Ventricular, Trigeminy Heart, ECG CVS	Ventricular trigeminy		Ventricular trigeminy	MDC_EVT_ECG_V_TRIGE M	3::3236
PatternEvent Extrasystoles, Ventricular, Trigeminy Heart, ECG CVS	Ventricular trigeminy		Ventricular trigeminy rhythm	MDC_EVT_ECG_V_TRIGE M_RHY	3::3238
PatternEvent Extrasystoles, Quadrigeminy Heart, ECG CVS	Quadrigeminy		Quadrigeminy	MDC_EVT_ECG_QUADRI GEM	3::3110
PatternEvent Extrasystoles, Ventricular, Quadrigeminy Heart, ECG CVS	Ventricular quadrigeminy		Ventricular quadrigeminy	MDC_EVT_ECG_V_QUAD RIGEM	3::3218
PatternEvent Ventricular, Parasystole Heart, ECG CVS	Ventricular parasystole		Ventricular parasystole	MDC_EVT_ECG_V_PARA SYS	3::3194
PatternEvent Missed Beat Heart, ECG CVS	Missed beat		Missed beat within some regular ECG rhythm	MDC_EVT_ECG_BEAT_MI SSED	3::3078
PatternEvent Unusual Heart, ECG CVS	Unusual beat		Unusual beat within some regular ECG rhythm	MDC_EVT_ECG_BEAT_U NUSUAL	3::3080
PatternEvent Pacer, Pacing, Atrial Heart, ECG CVS	Atrial Pacing		Atrial Pacing	MDC_EVT_ECG_ATR_PA CING	3::3132

Table A.9.2.5.1—Nomenclature and codes for pattern events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
PatternEvent Pacer, Pacing, AV Heart, ECG CVS	AV Pacing		AV Pacing Sequential	MDC_EVT_ECG_AV_PACING_SEQ	3::3144
PatternEvent Pacer, Pacing, Ventricular Heart, ECG CVS	Ventricular Pacing		Ventricular Pacing	MDC_EVT_ECG_V_PACING	3::3216
PatternEvent Pacer, Artifact Heart, ECG CVS	Pacer artifact		Pacer artifact recognized	MDC_EVT_ECG_PACER_ARTIF_RECOG	3::3294
PatternEvent Pacer, Error Heart, ECG CVS	Not paced		No pacer detected	MDC_EVT_ECG_PACER_ABSENT	3::3286
PatternEvent Pacer, Captured Heart, ECG CVS	Pacemaker capture	PACEC	Pacing captured (recognized by heart)	MDC_EVT_ECG_PACING_CAPTURE	3::3100
PatternEvent Pacer, NotCaptured Heart, ECG CVS		PACENC	Pacing not captured (not recognized by heart)	MDC_EVT_ECG_PACING_NON_CAPTURE	3::3102
PatternEvent Pacer, NotSensing Heart, ECG CVS		PACENS	Pacer (device) not sensing	MDC_EVT_ECG_PACER_NOT_PACING	3::3182
PatternEvent Pacer, Run Heart, ECG CVS	Run of paced beats		Run of paced beats	MDC_EVT_ECG_PACING_RUN	3::3104
PatternEvent RR interval, Pause Heart, ECG CVS	Prolonged RR interval, due to any reason		Prolonged RR interval, due to any reason	MDC_EVT_ECG_PAUSE	3::3108
PatternEvent Pacer, NotPacing Heart, ECG CVS	Patient not paced		Patient not paced	MDC_EVT_ECG_PT_NOT_PACED	3::3184
PatternEvent Pacer, Sensed Heart, ECG CVS	Pacing event		Pacer pulse sensed by heart	MDC_EVT_ECG_PACED_BEAT	3::3096
PatternEvent Pacer, NotPaced Heart, ECG CVS	Beat not paced		Beat not paced	MDC_EVT_ECG_NOT_PACED	3::3074
PatternEvent Rhythm, Atrial, Standstill Heart, ECG CVS	Atrial standstill		Atrial standstill	MDC_EVT_ECG_ATR_STA_ND	3::3134
PatternEvent Rhythm, Atrial, Tachycardia Heart, ECG CVS	ATACH		Atrial tachycardia	MDC_EVT_ECG_ATR_TA_CHY	3::3136
PatternEvent Rhythm, Atrial, Multifocal, Tachycardia Heart, ECG CVS	ATACH		Atrial tachycardia multifocal	MDC_EVT_ECG_ATR_TA_CHY_MULTIFOCAL	3::3138
PatternEvent Rhythm, Atrial, Paroxysmal, Tachycardia Heart, ECG CVS	ATACH		Atrial tachycardia paroxysmal	MDC_EVT_ECG_ATR_TA_CHY_PAROX	3::3140
PatternEvent Rhythm, BundleBranchBlock Heart, ECG CVS	BB BLK		Bundle Branch block	MDC_EVT_ECG_BB_BLK	3::3154

Table A.9.2.5.1—Nomenclature and codes for pattern events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
PatternEvent Rhythm, BundleBranchBlock, Left Heart, ECG CVS	LBB BLK		Left Bundle Branch block	MDC_EVT_ECG_LBB_BLK	3::3178
PatternEvent Rhythm, BundleBranchBlock, Right Heart, ECG CVS	RBB BLK		Right Bundle Branch block	MDC_EVT_ECG_RBB_BLK	3::3186
PatternEvent Rhythm, HeartBlock Heart, ECG CVS	BLK		Heart block	MDC_EVT_ECG_HEART_BLK	3::3166
PatternEvent Rhythm, HeartBlock, Complete Heart, ECG CVS	BLK		Complete Heart block	MDC_EVT_ECG_HEART_BLK_COMP	3::3168
PatternEvent Rhythm, Disassociation Heart, ECG CVS	AV Disassociation		AV Disassociation	MDC_EVT_ECG_AV DISS OC	3::3142
PatternEvent Rhythm, AV_Block, 2:1 Heart, ECG CVS	2:1BLK		2:1 AV block	MDC_EVT_ECG_AV_HEA RT_BLK_DEG_2_1	3::3280
PatternEvent Rhythm, AV_Block, 3:1 Heart, ECG CVS	3:1BLK		3:1 AV block	MDC_EVT_ECG_AV_HEA RT_BLK_DEG_3_1	3::3282
PatternEvent Rhythm, AV_Block, 4:1 Heart, ECG CVS	4:1BLK		4:1 AV block	MDC_EVT_ECG_AV_HEA RT_BLK_DEG_4_1	3::3288
PatternEvent Rhythm, AV_Block, Grade1 Heart, ECG CVS	1AVBLK		AV block 1	MDC_EVT_ECG_AV_HEA RT_BLK_DEG_1	3::3146
PatternEvent Rhythm, AV_Block, Grade2 Heart, ECG CVS	2AVBLK		AV block 2	MDC_EVT_ECG_AV_HEA RT_BLK_DEG_2	3::3148
PatternEvent Rhythm, AV_Block, Grade2, Type1 Heart, ECG CVS	2AVBLK		AV block 2, Type I	MDC_EVT_ECG_AV_HEA RT_BLK_DEG_2_TYPE_I	3::3150
PatternEvent Rhythm, AV_Block, Grade2, Type2 Heart, ECG CVS	2AVBLK		AV block 2, Type II	MDC_EVT_ECG_AV_HEA RT_BLK_DEG_2_TYPE_II	3::3152
PatternEvent Rhythm, AV_Block, Grade3 Heart, ECG CVS	3AVBLK		AV block 3	MDC_EVT_ECG_AV_HEA RT_BLK_DEG_3	3::3258
PatternEvent Rhythm, LAFBlock Heart, ECG CVS	Left Anterior Fascicular Block	LAFB	Left Anterior Fascicular Block	MDC_EVT_ECG_LA_FASC_BLK	3::3176
PatternEvent Rhythm, LPFBBlock Heart, ECG CVS	Left Posterior Fascicular Block	LPFB	Left Posterior Fascicular Block	MDC_EVT_ECG_LP_FASC_BLK	3::3180
PatternEvent Rhythm, Bradycardia Heart, ECG CVS	Bradycardia	BRADY	Bradycardia	MDC_EVT_ECG_SINUS_B RADY	3::3084

Table A.9.2.5.1—Nomenclature and codes for pattern events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
PatternEvent Rhythm, Tachycardia Heart, ECG CVS	Tachycardia	TACHY	Tachycardia	MDC_EVT_ECG_TACHY	3::3120
PatternEvent Rhythm, Tachycardia, Unspecified Heart, ECG CVS	Tachycardia (unspecified)	TACHY	Tachycardia (unspecified)	MDC_EVT_ECG_TACHY_UNSPEC	3::3124
PatternEvent Status, Rhythm Heart, ECG CVS	Rhythm status (reported as an event)		Current rhythm status: conveys an enumerated summary of the predominant ECG rhythm type(s) over the reporting time interval	MDC_EVT_ECG_STAT_RHY	3::3242
PatternEvent Status, Rhythm, Ectopic Heart, ECG CVS	Ectopic rhythm status (reported as an event)		Current ectopic rhythm status: conveys an enumerated summary of the predominant ECG ectopic rhythm type(s) over the reporting time interval	MDC_EVT_ECG_STAT_ECT	3::3240
PatternEvent Rhythm, Dying Heart, ECG CVS	Dying heart		Dying heart	MDC_EVT_ECG_HEART_DYING	3::3164
PatternEvent Rhythm Heart, ECG CVS			Rhythm	MDC_EVT_ECG_RHY	3::3112
PatternEvent Rhythm, Absent Heart, ECG CVS			No [cardiac] rhythm	MDC_EVT_ECG_RHY_ABSENT	3::3114
PatternEvent Rhythm, NoEctopic Heart, ECG CVS	No ectopic beat(s)	NOECT	No Ectopic beat	MDC_EVT_ECG_NO_ECT_BEAT	3::3094
PatternEvent Rhythm, Ectopic Heart, ECG CVS	Ectopic rhythm	ECT	Ectopic rhythm	MDC_EVT_ECG_RHY_ECT	3::3116
PatternEvent Rhythm, Couplet Heart, ECG CVS	Couplet	CPLT	Couplet	MDC_EVT_ECG_RHY_CP LT	3::3272
PatternEvent Rhythm, Fibrillation Heart, ECG CVS	Fibrillation (non-specific)	FIB	Fibrillation (non-specific)	MDC_EVT_ECG_FIB	3::3092
PatternEvent Rhythm, Fibrillation, Atrial Heart, ECG CVS	Atrial fibrillation	AFIB	Atrial fibrillation	MDC_EVT_ECG_ATR_FIB	3::3128
PatternEvent Rhythm, Fibrillation, Ventricular Heart, ECG CVS	Ventricular fibrillation	VFIB	Ventricular fibrillation	MDC_EVT_ECG_V_FIB	3::3198
PatternEvent Rhythm, Flutter, Atrial Heart, ECG CVS	Atrial flutter	AFLT	Atrial flutter	MDC_EVT_ECG_ATR_FLU	3::3276
PatternEvent Rhythm, Flutter, Ventricular Heart, ECG CVS	Ventricular flutter	VFLT	Ventricular flutter	MDC_EVT_ECG_V_FLUT	3::3202
PatternEvent Rhythm, Irregular Heart, ECG CVS	Irregular rhythm	IRREG	Irregular rhythm	MDC_EVT_ECG_IRREG	3::3118
PatternEvent Rhythm, Junctional Heart, ECG CVS	Junctional rhythm	JRHYT	Junctional rhythm	MDC_EVT_ECG_JUNC_RHY	3::3260

Table A.9.2.5.1—Nomenclature and codes for pattern events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
PatternEvent Rhythm, Tachycardia, Junctional Heart, ECG CVS	Junctional tachycardia	JTACH	Junctional tachycardia	MDC_EVT_ECG_JUNC_TA CHY	3::3172
PatternEvent Rhythm, EscapeBeats, Junctional Heart, ECG CVS	Junctional escape beats		Junctional escape beats	MDC_EVT_ECG_JUNC_E SC_BEATS	3::3298
PatternEvent Rhythm, PrematureContraction, Junctional Heart, ECG CVS	Junctional premature contraction	JPC	Junctional premature contraction	MDC_EVT_ECG_JUNC_P_ C	3::3170
PatternEvent Rhythm, Tachycardia, Paroxysmal, Junctional Heart, ECG CVS	Paroxysmal Junctional tachycardia	PJT	Paroxysmal Junctional tachycardia	MDC_EVT_ECG_JUNC_TA CHY_PAROX	3::3174
PatternEvent Rhythm, Tachycardia, Junctional, Run Heart, ECG CVS	Run of junctional tachycardia	JTACH	Run of junctional tachycardia	MDC_EVT_ECG_JUNC_TA CHY_RUN	3::3300
PatternEvent Rhythm, Tachycardia, Sinus Heart, ECG CVS	Sinus tachycardia	STACH	Sinus tachycardia	MDC_EVT_ECG_SINUS_T ACHY	3::3262
PatternEvent Rhythm, Tachycardia, Supraventricular Heart, ECG CVS	Supraventricular tachycardia		Supraventricular tachycardia	MDC_EVT_ECG_SV_TAC HY	3::3192
PatternEvent Rhythm, Standstill, Ventricular Heart, ECG CVS	Ventricular standstill		Ventricular standstill	MDC_EVT_ECG_V_STAN D	3::3222
PatternEvent Rhythm, Tachycardia, Ventricular Heart, ECG CVS	Ventricular tachycardia	VTACH	Ventricular tachycardia	MDC_EVT_ECG_V_TACH Y	3::3224
PatternEvent Rhythm, Tachycardia, NonSustained, Ventricular Heart, ECG CVS	Non-sustained Ventricular tachycardia	VTACH	Ventricular tachycardia, Non-sustained	MDC_EVT_ECG_V_TACH Y_NON_SUST	3::3226
PatternEvent Rhythm, Tachycardia, Sustained, Ventricular Heart, ECG CVS	Sustained Ventricular tachycardia	VTACH	Ventricular tachycardia, Sustained	MDC_EVT_ECG_V_TACH Y_SUST	3::3228
PatternEvent Rhythm, Tachycardia, Torsades de Pointes, Ventricular Heart, ECG CVS	Torsades de Pointes ventricular tachycardia	VTACH	Ventricular tachycardia, Torsades de Pointes	MDC_EVT_ECG_V_TACH Y_TORSADE	3::3230
PatternEvent Rhythm, Tachycardia, Ventricular Heart, ECG CVS	Ventricular tachycardia rhythm	VTACH	Ventricular tachycardia Rhythm	MDC_EVT_ECG_V_TACH Y_RHY	3::3232

Table A.9.2.5.1—Nomenclature and codes for pattern events *(multipage table)*

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
PatternEvent Rhythm, Tachycardia, Sustained, Ventricular Heart, ECG CVS	Sustained ventricular tachycardia rhythm	VTACH	Ventricular tachycardia Rhythm, Sustained	MDC_EVT_ECG_V_TACH_Y_RHY_SUST	3::3234
PatternEvent SharpSpikes Cortex, EEG CNS	Sharp spikes		Sharp spikes in EEG	MDC_EVT_EEG_SPK_SH_ARP	3::3270
PatternEvent SpikeAndWaves Cortex, EEG CNS	Spikes and waves		Spikes and waves in EEG	MDC_EVT_EEG_SPK_AN_D_WV	3::3254
PatternEvent Activity, Back, Absent Cortex, EEG CNS	Back Activity Absent		Back Activity Absent	MDC_EVT_EEG_BACK_A_CTV_ABSENT	3::3304
PatternEvent Activity, Back, Asymmetric Cortex, EEG CNS	Back Activity Asymmetric		Back Activity Asymmetric	MDC_EVT_BACK_ACTIV_ASYM	3::3306
PatternEvent Volume, NotConstant Respiration	Vol inconst		Breathing volume not constant	MDC_EVT_RESP_VOL_BR_EATHING_IRREG	3::3256
Status BreathSpontaneous Ventilator	Spontaneous		Spontaneous breath of the patient, e.g., during weaning	MDC_EVT_STAT_VENT_B_REATH_SPONT	3::20576
Status MachineGeneratedBreath Ventilator	Machine generated		Machine generated breath of the patient, e.g., during weaning	MDC_EVT_STAT_VENT_B_REATH_MAND	3::20580
Status Pressure, Sustained Ventilator	Pressure sustained		[Vent] Pressure sustained	MDC_EVT_STAT_PRESS_SUST	3::6180
Status Pacer, Paced Heart, ECG CVS	Paced		Pacer operational and controlling heart rhythm	MDC_EVT_STAT_ECG_PA_CING	3::3098

A.9.3 Device-related and environment-related events

A.9.3.1 Base concepts

This group of base concepts describes the condition causing a device-related or environment-related event. The following descriptors are applicable:

- Advisory
- ErrorEvent
- LimitEvent
- Status
- SynchronizationEvent

A.9.3.2 First set of differentiating criteria

The second field of the systematic name refers to the measurement features.

A.9.3.2.1 Semantic link "*concerns device function:*"

Applicable descriptors are as follows:

- Calibration
- DataAcquisition
- Measurement
- SignalProcessing

A.9.3.2.2 Semantic link "*concerns communication:*"

Applicable descriptors are as follows:

- DataSemantics
- DataSyntax
- Nomenclature
- Operation
- PreAlarm
- Protocol
- QualityOfService
- StateMachine
- Synchronization
- Syntax
- Tick
- Timing
- Version

A.9.3.2.3 Semantic link "concerns handling:".

Applicable descriptors are as follows:

- Configuration
- Position
- UserInput

A.9.3.2.4 Semantic link "concerns material:"

Applicable descriptors are as follows:

- Air
- Agent
- CO₂
- Material
- O₂
- RecordingPaper

A.9.3.2.5 Semantic link "concerns measurement:"

Applicable descriptors are as follows:

- Inspiratory
- NIBP
- VolumeExhale
- Waveform

A.9.3.2.6 Semantic link "concerns environment:"

Applicable descriptors are as follows:

- AirSupply
- Door
- ElectricalPower
- GasSupply
- Humidity
- Lights
- Sound
- Temperature

A.9.3.2.7 Semantic link "concerns functional unit:"

Applicable descriptors are as follows:

- Airway
- Battery

- BreathingSystem
- CO₂Absorber
- CO₂Sensor
- CO₂Window
- Cooling
- Cuff
- Display
- DripCounter
- Enclosure
- ExpirationValve
- FlowSensor
- GasMixer
- Lead
- Line
- Log
- Module
- PowerSupply
- Sensor
- SensorLine
- Syringe
- Transducer
- VaporIris
- Vaporizer
- WaterTrap

A.9.3.2.8 Semantic link "concerns physical property:"

Applicable descriptors are as follows:

- Concentration
- Flow
- Pressure
- Resistance
- Volume

A.9.3.2.9 Semantic link "concerns organ:"

Applicable descriptors are as follows:

- Heart
- Respiration

A.9.3.2.10 Semantic link "*concerns signal:*"

The descriptor is as follows:

- ECG

A.9.3.2.11 Semantic link "*concerns operational mode:*"

Applicable descriptors are as follows:

- Adult
- AssistedSpontaneousBreathing
- BatteryOperated
- Charging
- ComputerControlled
- Deflating
- Inflating
- Learning
- MainsOperated
- NotSelected
- Paediatric
- Running
- SighMode
- Standby
- Started
- Stopped
- TestMode

A.9.3.2.12 Semantic link "*has specification:*"

Applicable descriptors are as follows:

- Beep
- Blocked
- Closed
- DeliveryTime
- Inspiration
- Mode
- Off
- On
- Open
- PAW
- StandbyTimeElapsed
- TimeLimited

A.9.3.2.13 Semantic link "*has error condition*:"

Several subgroups of descriptors exist. The following subgroup concerns measurement and data processing:

- **Artifact**
- **CalibrationNecessary**
- **CheckingNecessary**
- **Coincidence**
- **Disturbed**
- **GainAdjustmentRequired**
- **Interference**
- **LowSignal**
- **Noisy**
- **NoOscillation**
- **NoSignal**
- **NotCalibrated**
- **Overrange**
- **Range**
- **Rhythm**
- **Unanalyzable**
- **Weak**

The next subgroup of descriptors concerns processing resources and communication:

- **BufferOverflow**
- **Framing**
- **Inoperable**
- **Interrupted**
- **InvalidOperation**
- **MultipleReplyUnavailable**
- **Overflowed**
- **Parity**
- **ReceiverOverrun**
- **Recoverable**
- **ResourceUnavailable**
- **Unavailable**
- **Undefined**
- **Underflowed**
- **Unequal**
- **UnRecoverable**

The following subgroup of descriptors collects terms concerning mechanical parts, tubings, etc.:

- **Disconnection**
- **Empty**
- **Exhausted**
- **Impediment**
- **Infiltration**
- **InproperlyPlaced**
- **Leak**
- **Leakage**
- **Irregular**
- **IrregularPosition**
- **Motions**
- **Obstruction**
- **Occluded**
- **Occlusion**
- **Stuck**
- **Vented**
- **Vibration**

The following subgroup of descriptors concerns power supply:

- **BatteryLow**
- **ConditioningRequired**
- **NeedsReplacement**
- **ShortCircuit**

The following subgroup of descriptors holds general terms:

- **Abnormal**
- **Absent**
- **Contaminated**
- **Defect**
- **Depleted**
- **Disconnected**
- **Disturbance**
- **Erratic**
- **Failed**
- **Failure**
- **Fault**
- **Incorrect**
- **Invalid**
- **Lost**
- **Malfunction**
- **Unknown**

A.9.3.2.14 Semantic link "*has status*:"

Applicable descriptors are as follows:

- Active
- Alarm
- Connected
- Detected
- Disabled
- PartiallyDisabled
- Silenced
- WarmUp

A.9.3.2.15 Semantic link "*has limit specification*:"

Applicable descriptors are as follows:

- Apnea
- AssistedSpontBreathing
- High
- HighLimit
- Low
- MaximumRate
- PressureLimited
- TachyApnea
- TotalVolume
- val>lim
- val<lim
- VolumeLimited
- VolumeNotConstant

A.9.3.3 Second set of differentiating criteria

The third field of the systematic name describes the target of measurement.

A.9.3.3.1 Semantic link "*concerns*:"

Applicable descriptors are as follows:

- Communication
- FunctionalDisturbance
- FunctionalStatus
- Handling
- Message

- **Processing**
- **Room**
- **SignalQuality**

A.9.3.4 Third set of differentiating criteria

The fourth field holds the information about the context, i.e., the functional or organic system for which the term is relevant.

A.9.3.4.1 Semantic link "*pertains to*:"

Applicable descriptors are as follows:

- **CVS**
- **Device**
- **Environment**
- **Pump**
- **Ventilator**
- **Respiration**

A.9.3.5 Code table

See Table A.9.3.5.1 for the nomenclature and codes for device-related and environment-related events.

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Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Advisory Agent, Vaporizer, CalibrationNecessary FunctionalStatus Ventilator	Agent vapor iris calibration necessary		The mixing iris in agent vaporizer in a ventilator must be checked (anesthesia machine)	MDC_EVT_ADVIS_VENT_MIX_IRIS_CALIB	3::6726
Advisory AirSupply, CheckingNecessary FunctionalStatus Ventilator	Check air supply	FRESH GAS	Checking of ventilator air supply is necessary	MDC_EVT_ADVIS_VENT_AIR_SUPP_CHK	3::6728
Advisory Battery, ConditioningRequired FunctionalStatus Device	Battery conditioning required		Advisory: Condition Battery (battery needs a special 'condition' charge cycle for full capacity.)	MDC_EVT_ADVIS_BATT_COND	3::6676
Advisory Battery, NeedsReplacement FunctionalStatus Device	Battery needs replacement		Advisory: Replace Battery (a full charge is now a too small fraction of the original capacity or this is not a rechargeable battery that is close to empty.)	MDC_EVT_ADVIS_BATT_REPLACE	3::6678
Advisory CheckingNecessary FunctionalStatus Device	Device check necessary		Advisory: Check device or system (NOS)	MDC_EVT_ADVIS_CHK	3::6658
Advisory Calibration, CheckingNecessary FunctionalStatus Device	Calibration check necessary		Advisory: Check Calibration	MDC_EVT_ADVIS_CALIB_CHK	3::6660
Advisory Calibration, Required FunctionalStatus Device	Calibration required		Advisory: Calibration required	MDC_EVT_ADVIS_CALIB_REQD	3::6662
Advisory Calibration, Zero, CheckingNecessary FunctionalStatus Device	Calibration checking necessary		Advisory: Check Calibration/Zero required	MDC_EVT_ADVIS_CALIB_AND_ZERO_CHK	3::6664
Advisory Configuration, CheckingNecessary FunctionalStatus Device	Configuration checking necessary		Advisory: Check Configuration	MDC_EVT_ADVIS_CONFI_G_CHK	3::6666
Advisory Settings, CheckingNecessary FunctionalStatus Device	Settings checking necessary		Advisory: Check Settings	MDC_EVT_ADVIS_SETTIN_GS_CHK	3::6668
Advisory Setup, CheckingNecessary FunctionalStatus Device	Set up checking necessary		Advisory: Check Set up	MDC_EVT_ADVIS_SETUP_CHK	3::6670
Advisory Source, CheckingNecessary FunctionalStatus Device	Source checking necessary		Advisory: Check Source	MDC_EVT_ADVIS_SRC_C_CHK	3::6672
Advisory Zero, CheckingNecessary FunctionalStatus Device	Zero checking necessary		Advisory: Check Zero	MDC_EVT_ADVIS_ZERO_CHK	3::6674
Advisory CO ₂ , CanisterLeak FunctionalDisturbance Device	CO ₂ canister leak		CO ₂ Canister leak	MDC_EVT_CO2_CAN_LEAK	3::212

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Advisory CO ₂ , Sample line defect FunctionalDisturbance Device	CO ₂ sample line defect		Defect occurred in a CO ₂ sample line	MDC_EVT_CO2_SAMPL_L INE_DEFECT	3::214
Advisory CO ₂ Window, Occluded FunctionalDisturbance Device	CO ₂ window occluded		Carbon dioxide measurement window in a CO ₂ measuring device is occluded	MDC_EVT_CO2_WIND_O BSTRUC	3::216
Advisory CO ₂ , Failure FunctionalDisturbance Device	CO ₂ failure		Failure occurred in a CO ₂ measuring device	MDC_EVT_CO2_MSMT_F AIL	3::462
Advisory CO ₂ Sensor, Fault FunctionalDisturbance Device	CO ₂ sensor fault		Fault occurred in carbon dioxide sensor disc	MDC_EVT_CO2_SENSOR _FAIL	3::464
Advisory ExpirationValve, CheckingNecessary FunctionalStatus Ventilator	Check expiration valve	EXP- VALVE	Check expiration valve	MDC_EVT_ADVIS_VENT_ EXP_VALVE_CHK	3::6730
Advisory Maintenance, Required	Maintenance required		Maintenance is required (This code is unusual as it applies only to an object.)	MDC_EVT_ADVIS_MAINT_ NEEDED	3::6733
Advisory Warning, standby	Standby warning		Warning that device will go to standby	MDC_EVT_STANDBY_WA RN	3::61440
Advisory Flow, CalibrationNecessary FunctionalStatus Ventilator	Flow calibration necessary		Flow calibration of ventilator is necessary.	MDC_EVT_ADVIS_VENT_ FLOW_CALIB	3::6724
Advisory FlowSensor, CheckingNecessary FunctionalStatus Ventilator	Flow sensor checking necessary		Check flow sensor in a ventilator	MDC_EVT_ADVIS_VENT_ FLOW_SENSOR_CHK	3::6722
Advisory GainAdjustmentRequired FunctionalStatus Device	Gain adjustment required		Advisory: Signal voltage out of range; gain adjustment necessary	MDC_EVT_ADVIS_GAIN_ DECR	3::6704
Advisory GainAdjustmentRequired FunctionalStatus Device	Gain adjustment required		Advisory: Signal voltage out of range; gain adjustment necessary	MDC_EVT_ADVIS_GAIN_I NCR	3::6706
Advisory TimeACheckRequired FunctionalStatus Device	Time adjustment check		Advisory: Check time (system asks user to check the time)	MDC_EVT_ADVIS_TIME_C HK	3::6708
Advisory UnitCheckRequired FunctionalStatus Device	Unit adjustment check		Advisory: Check unit (system asks user to check unit)	MDC_EVT_ADVIS_UNIT_C HK	3::6710
Advisory Line, Flow, Resistance FunctionalDisturbance Pump	Resistance warning	FRW	Advisory: Flow resistance warning	MDC_EVT_FLOW_FLUID_ LINE_RES_WARN	3::582
Advisory Log, CheckingNecessary FunctionalStatus Device	Check system error log		Advisory: Check Log (a fatal system error was entered in a log object and should be read.)	MDC_EVT_ADVIS_STATU S_LOG_CHK	3::6698

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Advisory VolumeSensor, CheckingNecessary FunctionalStatus Device	Check volume sensor		Advisory: Check volume sensor	MDC.EVT_ADVIS_VOL_S ENSOR_CHK	3::6702
Advisory PAW, CheckingNecessary FunctionalStatus Ventilator	PAW checking necessary		Advisory: Check airway pressure in ventilator	MDC.EVT_ADVIS_VENT_ PRESS_AWAY_CHK	3::6720
Advisory Sensor, CheckingNecessary FunctionalDisturbance Device	Check sensor		Advisory: Check sensor	MDC.EVT_ADVIS_SEN SOR_CHK	3::6696
Advisory Cable, CheckingNecessary FunctionalDisturbance Device	Check cable		Advisory: Check cable	MDC.EVT_ADVIS_CAB LE_CHK	3::6680
Advisory Sensor, CO ₂ , CheckingNecessary FunctionalDisturbance Device	Check sensor		Advisory: Check CO ₂ sensor	MDC.EVT_ADVIS_CO2_ ENSOR_CHK	3::6682
Advisory CommunicationCable, CheckingNecessary FunctionalDisturbance Device	Check communication cable		Advisory: Check communication cable	MDC.EVT_ADVIS_COMM _CABLE_CHK	3::6684
Advisory Disposable, ReplacementNecessary Device	Replace disposable		Advisory: Replace disposable	MDC.EVT_ADVIS_DISPO S_REPLACE	3::6686
Advisory GasAgent, CheckingNecessary FunctionalDisturbance Device	Check gas agent		Advisory: Check gas agent	MDC.EVT_ADVIS_GAS_A GENT_CHK	3::6688
Advisory Lead, Patient, CheckingNecessary FunctionalDisturbance Device	Check lead		Advisory: Check patient lead or connector	MDC.EVT_ADVIS_LEAD_ CHK	3::6690
Advisory Sensor, O ₂ , CheckingNecessary FunctionalDisturbance Device	Check sensor		Advisory: Check O ₂ sensor	MDC.EVT_ADVIS_O2_ NSOR_CHK	3::6692
Advisory Vaporizer, CheckingNecessary FunctionalStatus Ventilator	Vaporizer check necessary	CHECK VAPOR	Advisory: Vaporizer is not connected, not known or not allowed	MDC.EVT_ADVIS_VAPOR ISER_CHK_DISCONN	3::6718
Advisory Volume, Syringe, PreAlarm Handling Pump	Syringe pre-alarm (x min)		Advisory: Syringe needs to be replaced soon	MDC.EVT_ADVIS_PUMP_ SYRINGE_REPLACE_WA RN	3::6712
Advisory WaterTrap, CheckingNecessary FunctionalStatus Ventilator	Water trap checking necessary	WATER TRAP	Advisory: Check water trap in a ventilator	MDC.EVT_ADVIS_VENT_ WATER_TRAP_CHK	3::6716
Advisory Patient, Change FunctionalDisturbance Device	Patient change		Advisory: The patient connected to a device has changed	MDC.EVT_PATIENT_CHA NGE	3::692

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Advisory Patient, ID, Change FunctionalDisturbance Device	Patient ID change		Advisory: The ID of the patient connected to the device has changed	MDC_EVT_PATIENT_ID_C HANGE	3::694
Advisory PatientWeight, Change FunctionalDisturbance Device	Patient weight change		Advisory: The patient weight has changed	MDC_EVT_PATIENT_WEI GHT_CHANGE	3::696
Advisory PCA, DoorUnlocked FunctionalDisturbance Device	PCA door unlocked	PCA	Advisory: Patient controlled analgesia: door unlocked	MDC_EVT_PCA_DOOR_U NLOCKED	3::650
Advisory HandsetDetached FunctionalDisturbance Device	Handset detached		Advisory: Handset detached	MDC_EVT_HANDSET_DE TACHED	3::746
Advisory PCA, HandsetDetached FunctionalDisturbance Device	PCA handset detached	PCA	Advisory: Patient controlled analgesia: handset detached	MDC_EVT_PCA_HANDSE T_DETACHED	3::652
Advisory PCA, MaximumLimitReached FunctionalDisturbance Device	PCA maximum limit reached	PCA	Advisory: Patient controlled analgesia: maximum limit reached	MDC_EVT_PCA_MAX_LIM IT	3::654
Advisory PCA, Paused FunctionalDisturbance Device	PCA paused	PCA	Advisory: Patient controlled analgesia: paused	MDC_EVT_PCA_PAUSED	3::656
Advisory Complete Infusion Device	Infusion volume complete		Advisory: Infusion of the specified volume has been completed	MDC_EVT_VOL_INFUS_C OMP	3::724
Advisory Near Complete Infusion Device	Infusion volume nearly complete		Advisory: Infusion of the specified volume is nearly complete	MDC_EVT_VOL_INFUS_N EAR_COMP	3::726
Advisory IV Set, Check Infusion Device	Check IV Set		Advisory: Check Intravenous Set	MDC_EVT_CHECK_IV_SE T	3::738
Advisory Syringe, Check Infusion Device	Syringe timeout		Advisory: Syringe has taken longer than expected time	MDC_EVT_SYRINGE_TIM EOUT_WARN	3::566
ErrorEvent SiteTimer FunctionalDisturbance Device	Site timer problem		Site timer problem	MDC_EVT_SITE_TIMER_P ROB	3::320
ErrorEvent FunctionalDisturbance Device	Equipment error		Unspecified device error	MDC_EVT_EQU	3::28
ErrorEvent FunctionalDisturbance Device	Equipment error		Unspecified device error	MDC_EVT_PROB	3::92
ErrorEvent FunctionalDisturbance Device	Equipment error warning		Unspecified device error warning	MDC_EVT_WARN	3::126
ErrorEvent FunctionalDisturbance Device	Equipment error sustained		Unspecified device error sustained	MDC_EVT_SUST	3::106
ErrorEvent FunctionalDisturbance Device	Equipment environment warning		Unspecified device environment warning	MDC_EVT_ENVIRON	3::562

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ErrorEvent FunctionalDisturbance Device	Unspecified equipment event		Unspecified equipment event	MDC_EVT_EQUIP	3::590
ErrorEvent Malfunction FunctionalDisturbance Device	Equipment malfunction error warning		Unspecified device malfunction error warning	MDC_EVT_EQUIP_MALF	3::242
ErrorEvent Unknown FunctionalDisturbance Device	Unknown event		An unknown event has occurred	MDC_EVT_UNKNOWN	3::740
ErrorEvent Unsupported FunctionalDisturbance Device	Unsupported		A component (sensor, module) is not supported	MDC_EVT_UNSUPPORTE D	3::400
ErrorEvent Unplugged FunctionalDisturbance Device	Unplugged		A component (sensor, module) has become unplugged	MDC_EVT_UNPLUGGED	3::120
ErrorEvent Unit, Invalid FunctionalDisturbance Measurement	Invalid unit of measurement		Unit of measurement invalid	MDC_EVT_UNIT_INVALID	3::398
ErrorEvent Handling Device	Handling problem		Not specified, unusual handling of a device, device component, cabling, or transducer	MDC_EVT_HANDL_ERR	3::152
ErrorEvent Processing Device	Processing error		Unspecified processing error	MDC_EVT_PROC_ERR	3::162
ErrorEvent Processing Device	Processing error		Unspecified processing error	MDC_EVT_PROC	3::420
ErrorEvent Processing Device	Processing error message		Unspecified processing error message	MDC_EVT_MSG_ERR_PR OC	3::416
ErrorEvent Processing, Unanalyzable Device	Processing error message		Unanalyzable processing error message	MDC_EVT_UNANALYZEA BLE	3::108
ErrorEvent FunctionalDisturbance Device	Event		An event has occurred (NOS)	MDC_EVT	3::0
ErrorEvent Abnormal FunctionalDisturbance Device	Abnormal		Abnormal condition detected (NOS)	MDC_EVT_ABNORM	3::2
ErrorEvent Absent Processing Device	Absent		Absent	MDC_EVT_ABSENT	3::4
ErrorEvent Inoperable Processing Device	Inoperable		Device has become inoperable	MDC_EVT_UNINTEN_INO P	3::132
ErrorEvent Violated Processing Device	Violated		Device has violated an operating parameter	MDC_EVT_VIOL	3::122
ErrorEvent Active Processing Device	Active		Active (NOS)	MDC_EVT_ACTIVE	3::6

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ErrorEvent Alarm Processing Device	Alarm		Alarm (NOS)	MDC_EVT_ALARM	3::8
ErrorEvent Alarm limit Processing Device	Alarm limit		Alarm limit exceeded	MDC_EVT_AL_LIMIT	3::410
ErrorEvent Agent, NotSelected FunctionalDisturbance Ventilator	Agent not selected	AGT NOT SEL		MDC_EVT_VENT_GAS_A GENT_NOT_SELECTED	3::516
ErrorEvent Agent, VaporIris, Inoperable FunctionalDisturbance Ventilator	Agent vapor iris inoperable	A-VAP ERR	Gaseous agent mixing iris is inoperable in a ventilator (anesthesia)	MDC_EVT_VENT_MIX_IRI S_INOP	3::528
ErrorEvent Airway, Temperature, HighLimit FunctionalDisturbance Ventilator	High airway temperature	AW-TEMP HIGH	Airway temperature is too high (ventilator)	MDC_EVT_VENT_TEMP_A WAY_HI	3::504
ErrorEvent Battery, Fail FunctionalDisturbance Device	Battery failure		Battery failed or is defective	MDC_EVT_BATT_FAIL	3::192
ErrorEvent Battery, Low FunctionalDisturbance Device	Battery low		Battery discharged or is defective	MDC_EVT_BATT_LO	3::194
ErrorEvent Battery, Malfunction FunctionalDisturbance Device	Battery malfunction		Battery malfunction	MDC_EVT_BATT_MALF	3::196
ErrorEvent Battery FunctionalDisturbance Device	Battery problem		Unspecified battery problem	MDC_EVT_BATT_PROB	3::198
ErrorEvent Battery, Depleted FunctionalDisturbance Device	Battery depleted		Battery depleted	MDC_EVT_BATT_DEPL	3::728
ErrorEvent Battery, ServiceRequired FunctionalDisturbance Device	Battery service required		Battery service required	MDC_EVT_BATT_SERV	3::730
ErrorEvent BreathingSystem, Stopped FunctionalDisturbance Ventilator	Breath absent		Error Event: Breath Absent (this is not apnea, but a technical ventilator event.)	MDC_EVT_BREATH_ABS ENT	3::136
ErrorEvent BreathingSystem, Vented FunctionalDisturbance Ventilator	Breathing system vented		Breathing system is vented	MDC_EVT_VENT_BREAT HING_SYS_VENTED	3::532
ErrorEvent Calibration FunctionalDisturbance Device	Calibration error		Calibration is not successful	MDC_EVT_CALIB_FAIL	3::138
ErrorEvent CO ₂ , SensorLine, Blocked FunctionalDisturbance Ventilator	Blocked CO ₂ sensor line	CO ₂ LINE BLK		MDC_EVT_VENT_CO2_SE NSOR_LINE_OBSTRUC	3::536

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ErrorEvent CO ₂ Absorber Exhausted FunctionalDisturbance Ventilator	Exh. CO ₂ absorber		Exhausted carbon dioxide absorber	MDC_EVT_VENT_CO2_AB_SORB_EXH	3::534
ErrorEvent NonCoincidence, HeartPulse SignalQuality Device	Pulse rate non coincidence		Cardiac and Pulse Rates are unequal	MDC_EVT_UNEQU_HR_A_ND_PR	3::3244
ErrorEvent Coincidence, Heart, Respiration SignalQuality Device	Pulse rate coincidence		Heart rate and respiration rate are reported to be the same value	MDC_EVT_ERR_EQU_HR_AND_RR	3::3296
ErrorEvent Coincidence, Heart, Pulse SignalQuality Device	Pulse rate coincidence		Cardiac and Pulse Rates are equal	MDC_EVT_EQU_HR_AND_PR	3::3302
ErrorEvent Configuration Processing Device	Configuration error		Device configuration: combination is not valid	MDC_EVT_CONFIG_ERR	3::142
ErrorEvent Contaminated FunctionalDisturbance Device	Contaminated		Contaminated	MDC_EVT_CONTAM	3::14
ErrorEvent Cooling, Inoperable FunctionalDisturbance Ventilator	Vent cooling INOP	COOLING INOP	Ventilator device temperature is too high	MDC_EVT_VENT_TEMP_HI	3::540
ErrorEvent Cuff, Disconnected FunctionalDisturbance Device	Cuff disconnected	CUFF ERR	Cuff is disconnected or leaking, e.g., in NIBP	MDC_EVT_NBP_CUFF_DI_SCONN_OR_LEAK	3::456
ErrorEvent Cuff, Motions FunctionalDisturbance Device	Motions detected	MOTIONS	Motions are detected, e.g., in NIBP measurement	MDC_EVT_NBP_MOTION_DETEC	3::454
ErrorEvent DataAcquisition Communication Device	Data acquisition problem		Unspecified problem in data acquisition	MDC_EVT_DATA_ACQN_PROB	3::144
ErrorEvent DataAcquisition Communication Device	Data acquisition error		Unspecified problem in data acquisition	MDC_EVT_DATA_ACQN_ERR	3::482
ErrorEvent Data invalid Communication Device	Invalid data		Invalid data (for any reason, including missing data)	MDC_EVT_DATA_INVALID	3::768
ErrorEvent Data missing Communication Device	Missing data		Missing data (e.g., telemetry data dropouts)	MDC_EVT_DATA_MISSIN_G	3::770
ErrorEvent DataSemantics Communication Device	Erratic data		Subsystem has received false data packet	MDC_EVT_MSG_SEMAN_ERR	3::470
ErrorEvent DataSyntax Communication, Message Device	Corrupt data		Subsystem has received false data packet	MDC_EVT_MSG_CORRUP_T	3::452
ErrorEvent Defect FunctionalDisturbance Device	Defect		Defect is detected in a device, sensor, etc	MDC_EVT_DEFECT	3::16
ErrorEvent Depleted FunctionalDisturbance Device	Depleted		An agent is detected as depleted in a device, sensor, etc	MDC_EVT_DEPLET	3::18

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ErrorEvent Disposable, Low FunctionalDisturbance Device	Disposables low or out		Disposables low or out	MDC_EVT_DISPOS_LO	3::588
ErrorEvent Disconnection FunctionalDisturbance Device	Disconnection		Disconnection, e.g., in sampling line	MDC_EVT_DISCONN	3::22
ErrorEvent Disconnection Handling Ventilator	Ventilator disconnected		Patient is disconnected from ventilator	MDC_EVT_VENT_DISCONN	3::564
ErrorEvent Disconnection, <location> FunctionalDisturbance Ventilator	Disconnection		Disconnection of parts in a ventilator, e.g., disconnection in FGF hose	MDC_EVT_VENT_COMPO_NENT_DISCONN	3::542
ErrorEvent ECG, Lead, Disconnected FunctionalDisturbance Device	ECG lead disconnected		Error Event: (ECG) Lead Disconnected (specialized form of the generic disconnect event. In case of ECG, some ECG devices reconstruct leads when a single lead of a multilead cable falls off. This needs a special user notification, because the situation might not be visible on the display waves. Reasoning: see above.)	MDC_EVT_LEAD_DISCONN	3::268
ErrorEvent ECG, Lead, Noisy FunctionalDisturbance Device	ECG lead noisy		Error Event: (ECG) Lead Noisy	MDC_EVT_LEAD_NOISY	3::270
ErrorEvent ECG, Lead, Off FunctionalDisturbance Device	ECG lead disconnected		Error Event: (ECG) Lead Disconnected	MDC_EVT_LEAD_OFF	3::272
ErrorEvent ECG, Lead, Off FunctionalDisturbance Device	ECG leads disconnected		Error Event: (ECG) Leads Disconnected	MDC_EVT_LEADS_OFF	3::274
ErrorEvent Lead, Short FunctionalDisturbance Device	Lead shorted		Error Event: Sensor electrical lead (e.g., ECG) is shorted (NOS)	MDC_EVT_SHORT	3::100
ErrorEvent ElectricalPower FunctionalDisturbance Device	Power problem		Electric power line: unspecified problem	MDC_EVT_ELEC_PWR_LI_NE_PROB	3::236
ErrorEvent Empty FunctionalDisturbance Device	Empty		A reservoir, etc., is empty	MDC_EVT_EMPTY	3::26
ErrorEvent Excess FunctionalDisturbance Device	Excess		A reservoir, etc., has excess content	MDC_EVT_EXCESS	3::34
ErrorEvent Enclosure, Handle, Open Handling Device	Door open		A door or handle, which must be closed for operation, is open	MDC_EVT_DOOR_OR_HANDLE_POSN_PROB	3::234
ErrorEvent Enclosure, Open Handling Device	Door open		A door or handle, which must be closed for operation, is open	MDC_EVT_DOOR_POSN_ERR	3::476
ErrorEvent Error Processing Device	Error		Error condition is detected	MDC_EVT_ERR	3::30
ErrorEvent Erratic Processing Device	Erratic		Erratic condition is detected	MDC_EVT_ERRATIC	3::32

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ErrorEvent Exhausted FunctionalDisturbance Device	Exhausted		A consumable is exhausted	MDC_EVT_EXH	3::36
ErrorEvent Failed FunctionalDisturbance Device	Failed		An action, data transmission, etc., failed	MDC_EVT_FAIL	3::38
ErrorEvent GasMixer, Inoperable FunctionalDisturbance Ventilator	Inoperable gas mixer		Gas mixer is inoperable	MDC_EVT_VENT_GAS_MIXER_INOP	3::550
ErrorEvent Inoperable FunctionalDisturbance Ventilator	Inoperable		Ventilator is inoperable	MDC_EVT_VENT_INOP	3::570
ErrorEvent GasSupply FunctionalDisturbance Ventilator	Med air/gas/vacuum problem		Problem with gas lines to/from breathing system	MDC_EVT_VENT_GAS_LI_NE_PROB	3::548
ErrorEvent Humidity, High Handling Environment	Humidity unacceptable		Too much humidity for accurate measurement	MDC_EVT_HUMID_EXCES	3::490
ErrorEvent Humidity, High Handling Environment	Humidity unacceptable		Too much humidity for accurate measurement	MDC_EVT_HUMID_HI_ER	3::578
ErrorEvent Incorrect Processing Device	Incorrect		Incorrect result of a calculation, e.g., CRC in data transmission, of a data structure, etc., detected	MDC_EVT_INCORRECT	3::46
ErrorEvent Infiltration FunctionalDisturbance Device	Infiltration		Infiltration NOS	MDC_EVT_INFILT	3::48
ErrorEvent Ingress FunctionalDisturbance Device	Ingress		Ingress of contaminant NOS	MDC_EVT_INGRESS	3::50
ErrorEvent Inoperable FunctionalDisturbance Device	Inoperable	INOP	(Un)intentional inoperable condition NOS	MDC_EVT_INOP	3::52
ErrorEvent Interference FunctionalDisturbance Device	Interference		Interference NOS	MDC_EVT_INTERF	3::54
ErrorEvent Interrupted Processing Device	Interrupted		A measurement, process, or data transmission was interrupted	MDC_EVT_INTERRUPT	3::56
ErrorEvent InvalidOperation Handling Device	Invalid operation		Unspecified handling error	MDC_EVT_OP_INVALID	3::406
ErrorEvent Incompatible Processing Device	Incompatible		Incompatibility of nomenclature or processing component, etc.	MDC_EVT_INCOMPAT	3::600
ErrorEvent Irregular Processing Device	Irregular		Irregular rhythm or waveform in a signal, etc.	MDC_EVT_IRREG	3::58
ErrorEvent Leak FunctionalDisturbance Ventilator	Leak detected		Leak in breathing system	MDC_EVT_VENT_BREATHING_SYS_LEAK	3::552
ErrorEvent Leakage FunctionalDisturbance Device	Leakage		Leakage in a gas or fluid filled system detected	MDC_EVT_LEAK	3::60

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ErrorEvent Line, Air FunctionalDisturbance Pump	Air in line		Air in fluid line	MDC_EVT_FLUID_LINE_AIR	3::592
ErrorEvent Line, DripCounter, Malfunction FunctionalDisturbance Pump	Drip alarm		Error in drip counting measurement	MDC_EVT_FLUID_LINE_DRIP_MALF	3::346
ErrorEvent Line, Flow, Disturbance FunctionalDisturbance Pump	Flow disturbance	FD	Flow disturbance	MDC_EVT_FLUID_LINE_DISTURB	3::244
ErrorEvent Line, Flow, Occlusion FunctionalDisturbance Pump	Occlusion		Occlusion of fluid line	MDC_EVT_FLUID_LINE_OCCLUSION	3::332
ErrorEvent Line, Flow, Problem FunctionalDisturbance Pump	Problem		Problem in fluid line	MDC_EVT_FLUID_LINE_PROBLEM	3::252
ErrorEvent Line, Flow, Problem FunctionalDisturbance Pump	Blocked		Pump chamber blocked	MDC_EVT_PUMP_CHAMBER_BLOCKED	3::744
ErrorEvent Line, Flow, Free FunctionalDisturbance Pump	Free flow		Pump in free flow	MDC_EVT_PUMP_FLOW_FREE	3::598
ErrorEvent Line, Flow, Ingress FunctionalDisturbance Pump	Ingress		Ingress in fluid line	MDC_EVT_FLUID_LINE_INGRESS	3::248
ErrorEvent Line, Flow, PressureHigh FunctionalDisturbance Pump	High pressure		High pressure in fluid line	MDC_EVT_FLUID_LINE_HIGHPRESSURE	3::580
ErrorEvent Line, Flow, PressureHigh FunctionalDisturbance Pump	High pressure		High pressure in fluid line	MDC_EVT_PRESS_FLUID_LINE_EXCESS	3::558
ErrorEvent Line, Flow, SensorProblem FunctionalDisturbance Pump	Flow sensor problem		Flow sensor problem	MDC_EVT_FLUID_LINE_FLOW_SENSOR_PROB	3::254
ErrorEvent Line, Infiltration FunctionalDisturbance Pump	Line infiltration	INFIL	Infiltration of fluid line	MDC_EVT_FLUID_LINE_INFILTRATION	3::246
ErrorEvent Line, Flow, PressureHigh FunctionalDisturbance Pump	High pressure		High pressure	MDC_EVT_PRESS_HI_GT_LIM	3::368
ErrorEvent Line, Flow, PressureHigh FunctionalDisturbance Pump	High pressure		High pressure	MDC_EVT_PRESS_HI_VA_L_GT_LIM	3::370
ErrorEvent Supply, PressureHigh FunctionalDisturbance Pump	High supply pressure		High supply pressure	MDC_EVT_PRESS_SUPPLY_HI	3::374
ErrorEvent Supply, PressureLow FunctionalDisturbance Pump	Low supply pressure		Low supply pressure	MDC_EVT_PRESS_SUPPLY_LO	3::376

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ErrorEvent Supply, Subatmospheric FunctionalDisturbance Ventilator	Subatmospheric pressure		Pressure subatmospheric [Vent]	MDC_EVT_PRESS_SUBA TMOS	3::372
ErrorEvent PressureLow FunctionalDisturbance Pump	Subatmospheric pressure		Subatmospheric [NOS]	MDC_EVT_SUBATMOS	3::104
ErrorEvent Sensor, Malfunction FunctionalDisturbance Device	Sensor malfunction		Sensor malfunction	MDC_EVT_SENSOR_MAL F	3::310
ErrorEvent Sensor, FlowSensor, Problem FunctionalDisturbance Device	Flow sensor problem	FSP	Flow sensor problem	MDC_EVT_SENSOR_PRO B	3::312
ErrorEvent Lost Processing Device	Lost		Signal or synchronization, etc., was lost	MDC_EVT_LOST	3::68
ErrorEvent Malfunction FunctionalDisturbance Device	Malfunction		Malfunction of a device, VMD, or sensor is detected	MDC_EVT_MALF	3::70
ErrorEvent Material, Low Handling Device	Material supply low or out		Unspecified tools or agents (e.g., calibration fluids) are low	MDC_EVT_MATERIAL_LO W_OR_OUT	3::408
ErrorEvent MaximumRate, Syringe, UserInput, HighLimit Handling Pump	User request error		User keyboard input is higher than available with syringe type (pump)	MDC_EVT_USER_INPUT_ DATA_VAL_ERR_HI	3::568
ErrorEvent Measurement Processing Device	Error in analyzing metric		Unspecified error in processing of a biosignal	MDC_EVT_MSMT_ERR	3::354
ErrorEvent Measurement, Disconnected FunctionalDisturbance Device	Measurement unplugged		Error Event: Measurement Unplugged (e.g., in modular patient monitor. Reasoning: In contrast to the disconnect events below, this event indicates that a measurement module was manually (==voluntarily) removed. Dependent on the alarm configuration of a monitor, specifically, with latched alarms, this condition must be announced to the user, and the user must specifically acknowledge the situation)	MDC_EVT_MSMT_DISCO NN	3::352
ErrorEvent Measurement, Failed FunctionalDisturbance Device	Measurement failed		Error Event: Measurement Failed (e.g., a noninvasive blood pressure)	MDC_EVT_MSMT_FAIL	3::356
ErrorEvent Measurement, Inoperable FunctionalDisturbance Device	Measurement inoperable, failed		Error Event: Measurement inoperable, Failed (e.g., a noninvasive blood pressure)	MDC_EVT_MSMT_INOP	3::358
ErrorEvent Measurement, Interference FunctionalDisturbance Device	Measurement interference		Error Event: Measurement interference (e.g., a noninvasive blood pressure)	MDC_EVT_MSMT_INTERF	3::360

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part:Code
ErrorEvent Measurement, Interrupted FunctionalDisturbance Device	Measurement interrupted		Error Event: Measurement Interrupted (e.g., a noninvasive blood pressure) (there is a generic interrupted code for processing; however, this code does not have to do with processing. As an example of this code, the user might simply hit a stop button, and this action makes the measurement invalid)	MDC_EVT_MSMT_INTERR UP	3:362
ErrorEvent Measurement, Overrange Processing Device	Measurement overrange		Error Event: Metric (measurement) overrange	MDC_EVT_MSMT_RANGE OVER	3:364
ErrorEvent Measurement, Underrange Processing Device	Measurement underrange		Error Event: Metric (measurement) underrange	MDC_EVT_MSMT_RANGE UNDER	3:366
ErrorEvent Measurement, Light, Interference FunctionalDisturbance Device	Light interference with measurement		Error Event: Light Interference (SpO ₂ measurement, special kind of interference)	MDC_EVT_LIGHT_INTERF	3:278
ErrorEvent Measurement, Light, Absent FunctionalDisturbance Device	Light source absent		Error Event: Light source absent	MDC_EVT_LIGHT_SRC_A BSENT	3:280
ErrorEvent Measurement, Light, Intensity FunctionalDisturbance Device	Light source intensity incorrect		Error Event: Light source intensity incorrect	MDC_EVT_INTENS_LIGHT ERR	3:350
ErrorEvent Room, Light, On FunctionalDisturbance Device	Light on	LIGHT ON	Error Event: Lights in the (sleep measurement) room are switched on (status lights on/off)	MDC_EVT_LIGHT_ON	3:484
ErrorEvent Measurement, Intensity FunctionalDisturbance Device	Radiation source intensity incorrect		Error Event: Radiation source intensity incorrect	MDC_EVT_INTENS_ERR	3:348
ErrorEvent NIBP, Cuff, Incorrect SignalQuality Device	Incorrect Cuff	NIBP CUFF	Incorrect Cuff	MDC_EVT_CUFF_INCORR ECT	3:226
ErrorEvent NIBP, Cuff, Leak SignalQuality Device	Cuff leak	NIBP CUFF LEAK	Cuff leak	MDC_EVT_CUFF_LEAK	3:228
ErrorEvent NIBP, Cuff, Not Deflated SignalQuality Device	Cuff not fully deflated	NIBP CUFF DEFLAT E	Cuff not fully deflated	MDC_EVT_NOT_DEFLATE D	3:78
ErrorEvent NIBP, Cuff, Not Deflated SignalQuality Device	Cuff not fully deflated	NIBP CUFF DEFLAT E	Cuff not fully deflated	MDC_EVT_CUFF_NOT_D EFLATED	3:230

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ErrorEvent NIBP, Cuff, OverInflated SignalQuality Device	Cuff over inflated	NIBP CUFF	Cuff over inflated	MDC_EVT_CUFF_INFLAT_OVER	3::232
ErrorEvent Non-specific, OverInflated SignalQuality Device	Over inflated (non-specific)		Over inflated (non-specific)	MDC_EVT_INFLAT_OVER	3::154
ErrorEvent NIBP, Cuff, OverPressure SignalQuality Device	Cuff over pressure	NIBP CUFF	Cuff over pressure	MDC_EVT_PRESS_CUFF_OVER	3::378
ErrorEvent NIBP, Cuff, ImproperlyPlaced SignalQuality Device	Cuff improperly placed	NIBP CUFF ERP	Cuff improperly placed	MDC_EVT_CUFF_POSN_ERR	3::430
ErrorEvent NIBP, Cuff, Loose SignalQuality Device	Cuff loose	NIBP CUFF ERP	Cuff loose	MDC_EVT_CUFF_LOOSE	3::240
ErrorEvent NIBP, NonPulsatile SignalQuality Device	Nonpulsatile		NIBP non pulsatile	MDC_EVT_PULS_NON_PULSATILE	3::3308
ErrorEvent PCWP, OverInflation SignalQuality Device		PCWP	Pulmonary Capillary Wedge Pressure: over inflation	MDC_EVT_CATH_PULM_INFLAT_OVER	3::206
ErrorEvent PCWP, Occluded SignalQuality Device		PCWP	Pulmonary Capillary Wedge Pressure: occluded	MDC_EVT_WEDGE_OCCL	3::190
ErrorEvent Noisy SignalQuality Device	Noisy		Signal is noisy	MDC_EVT_NOISY	3::74
ErrorEvent Nomenclature Communication Device	Nomenclature error		A message contains wrong code	MDC_EVT_MSG_NOM_ERR	3::402
ErrorEvent O ₂ , Inspiratory, Inoperable FunctionalDisturbance Ventilator	Inoperable inspiratory O ₂ measurement		Inoperable inspiratory O ₂ measurement	MDC_EVT_VENT_PRESS_O2_INSP_INOP	3::546
ErrorEvent Obstruction FunctionalDisturbance Ventilator	Obstruction		Example: obstruction of the endotracheal tube	MDC_EVT_VENT_ENDOTRACH_TUBE_OBSTRUC	3::508
ErrorEvent Obstruction FunctionalDisturbance Ventilator	Obstruction		Example: obstruction of the endotracheal tube	MDC_EVT_VENT_OBSTRUC	3::508
ErrorEvent Occlusion FunctionalDisturbance Ventilator	Occlusion		Example: occlusion of the endotracheal tube	MDC_EVT_VENT_ENDOTRACH_TUBE_OCCL	3::538
ErrorEvent Overflowed Processing Device	Overflowed		Overflow was detected in a measurement or calculation	MDC_EVT_OVERFLOW	3::90
ErrorEvent Overflow Processing Device	Overflow		Overflow was detected in a measurement or calculation	MDC_EVT_OVERFLOW	3::88
ErrorEvent Underflow Processing Device	Underflow		Underflow was detected in a measurement or calculation	MDC_EVT_UNDER	3::114

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ErrorEvent Incorrect, Module Handling Device	Incorrect plugin module		Incorrect plugin [module]	MDC_EVT_PLUGIN_INCO RRECT	3::304
ErrorEvent Position, Module Handling Device	Component positioning problem		Problem in position of a plug-in device	MDC_EVT_PLUGIN_POSN _IRREG	3::306
ErrorEvent Position, Module Handling Device	Component positioning problem		Irregular position of a plug-in device	MDC_EVT_POSN_IRREG	3::158
ErrorEvent Position, Module Handling Device	Component positioning problem		Problem in position of a plug-in device	MDC_EVT_POSN_PROB	3::160
ErrorEvent Module Disconnect FunctionalDisturbance Device	Module disconnected		Module disconnected	MDC_EVT_MODULE_DISC ONN	3::284
ErrorEvent Module Excess FunctionalDisturbance Device	Module excess		Too many [plugin] modules	MDC_EVT_MODULE_EXC ESS	3::286
ErrorEvent Module Unknown FunctionalDisturbance Device	Module unknown		[Plugin] Module unknown	MDC_EVT_MODULE_UNK	3::288
ErrorEvent Subsystem disconnected FunctionalDisturbance Device	Subsystem disconnected		Subsystem disconnected	MDC_EVT_MS_SUBSYS_ DISCONN	3::290
ErrorEvent Disposable, supply, position problem FunctionalDisturbance Device	Module position problem		Supply or disposable positioning problem	MDC_EVT_COMPONENT_ POSN_PROB	3::222
ErrorEvent Optical Module Absent FunctionalDisturbance Device	Optic Module Absent		Optical Module Absent	MDC_EVT_OPTIC_MODUL E_ABSENT	3::298
ErrorEvent Optical Module Defect FunctionalDisturbance Device	Optic Module Defect		Optical Module Defect	MDC_EVT_OPTIC_MODUL E_DEFECT	3::300
ErrorEvent PowerSupply FunctionalDisturbance Device	Power problem		Problem in power supply	MDC_EVT_POWER_PROB	3::560
ErrorEvent PowerSupply FunctionalDisturbance Device	Power problem		Problem in power supply	MDC_EVT_POWER_SUPP LY_PROB	3::458
ErrorEvent PowerSupply FunctionalDisturbance Device	Power problem		Problem in power supply	MDC_EVT_SUPPLY_PRO B	3::178
ErrorEvent PowerSupply, Low FunctionalDisturbance Device	Power supply low		Low voltage detected power supply	MDC_EVT_SUPPLY_LO	3::176
ErrorEvent PowerSupply, Loss FunctionalDisturbance Device	Power loss		Loss of power supply	MDC_EVT_PWR_LOSS	3::734

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ErrorEvent Emergency Stop FunctionalDisturbance Device	Emergency Stop		Emergency Stop	MDC_EVT_EMER_STOP	3::732
ErrorEvent Protocol, Version Communication, Message Device	Version mismatch		Communication error: unknown software version	MDC_EVT_SW_VER_UNK	3::322
ErrorEvent QualityOfService Communication Device	Quality of service		Unspecified quality of service event	MDC_EVT_SVC_QUALITY	3::180
ErrorEvent Paper FunctionalDisturbance Device	Paper problem		Problem with recording paper	MDC_EVT_PAPER_PROB	3::302
ErrorEvent RecordingPaper, Low Handling Device	Paper low or out		Problem with recording paper subdevice	MDC_EVT_ADVIS_REC_PAPER_REPLACE	3::6694
ErrorEvent Device Status Report FunctionalDisturbance Device	Device status report		Device status report.	MDC_EVT_DEV_STAT_RPT	3::526
ErrorEvent ResourceUnavailable FunctionalDisturbance Device	Resource unavailable		A resource is not available.	MDC_EVT_FUNC_UNAVAIL	3::146
ErrorEvent MultipleReplyUnavailable FunctionalDisturbance Device	Multiple reply unavailable		The multiple reply remote operation function is not available (see Clause 6 in ISO/IEEE 11073-20101:2004)	MDC_EVT_MULT_REPLY_UNAVAIL	3::602
ErrorEvent Sensor, Disconnected FunctionalDisturbance Device	Sensor disconnected		Sensor disconnection or fault	MDC_EVT_SENSOR_DISCONN	3::308
ErrorEvent ShortCircuit FunctionalDisturbance Device	Short circuit		A short circuit was detected in a VMD.	MDC_EVT_CKT_SHORT	3::208
ErrorEvent StateMachine, Recoverable Communication Device	State machine error, recoverable		Recoverable state machine error in communication	MDC_EVT_RECOV_ERR	3::130
ErrorEvent StateMachine, Unrecoverable Communication Device	State machine error, unrecoverable		Unrecoverable state machine error in communication	MDC_EVT_UNRECOV_ERR	3::134
ErrorEvent Stuck FunctionalDisturbance Ventilator	Stuck		An unspecified component of the ventilator is stuck in position [if the expiratory valve is specifically known to be stuck, use MDC_EVT_VENT_EXP_VALVE_STUCK (3::522)]	MDC_EVT_VENT_STUCK	3::572
ErrorEvent Stuck FunctionalDisturbance Ventilator	Stuck		The expiratory valve is stuck	MDC_EVT_VENT_EXP_VALVE_STUCK	3::522
ErrorEvent Exhausted FunctionalDisturbance Ventilator	Exhausted		Exhausted CO2 absorber	MDC_EVT_VENT_EXH	3::210
ErrorEvent Malfunction, Sidestream FunctionalDisturbance Ventilator	Sidestream malfunction		[CO2] Sidestream malfunction	MDC_EVT_SIDESTRM_MALF	3::314

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ErrorEvent Off, Sidestream Ventilator FunctionalDisturbance Ventilator	Sidestream off		[CO2] Sidestream off	MDC_EVT_SIDESTRM_OF F	3::316
ErrorEvent On, Sidestream Ventilator FunctionalDisturbance Ventilator	Sidestream on		[CO2] Sidestream on	MDC_EVT_SIDESTRM_ON	3::318
ErrorEvent Synchronization, ReceiverOverrun Communication, Message Device	Real-time overrun		Communication timing error: receiver overrun	MDC_EVT_SYNC_ERR_ RCV_OVRUN	3::182
ErrorEvent Timing, Synchronization Processing Device	Synchronization error		Error in time synchronization	MDC_EVT_SYNC_ERR	3::182
ErrorEvent Synchronization, Inoperable Communication, Message Device	Synchronization inoperable		Synchronisation inoperable	MDC_EVT_SYNC_INOP	3::184
ErrorEvent Synchronization, Inoperable FunctionalDisturbance Ventilator	Vent sync INOP		Ventilator synchronization inoperable	MDC_EVT_VENT_SYNC _INOP	3::518
ErrorEvent Connection Device	Connection		Connection	MDC_EVT_CONN	3::12
ErrorEvent Connection Short Communication Device	Connection short		Connection short	MDC_EVT_CONNECTOR_ SHORT	3::224
ErrorEvent Lost Communication Device	Lost communication		Error Event: Communication Lost	MDC_EVT_COMM_LOST	3::140
ErrorEvent Noisy Communication Device	Noisy communication link		Error Event: Communication Link Noisy	MDC_EVT_COMM_LINK_N OISY	3::218
ErrorEvent Module error Communication Device	Communication module error		Error Event: Communication Module Error	MDC_EVT_COMM_MODU LE_ERR	3::220
ErrorEvent Message error Communication Device	Communication message error		Error Event: Communication Message Error	MDC_EVT_MSG_COMM_E RR	3::292
ErrorEvent Communication, Message Device	Communication event		Communication error: NOS	MDC_EVT_COMM	3::468
ErrorEvent Status change Communication, Message Device	Communication status change		Communication status change	MDC_EVT_COMM_STATU S_CHANGE	3::686
ErrorEvent Communication, QOS Device	Communication QOS	QOS	Communication error: quality of service (QOS)	MDC_EVT_QOS	3::412

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part:Code
ErrorEvent Communication, TimeoutMessage Device	Communication event, timeout		Communication error: timeout	MDC_EVT_TIMEOUT_ERR	3:186
ErrorEvent Cable short Communication Device	Cable short		Communication error: cable short	MDC_EVT_CABLE_SHORT	3:204
ErrorEvent Synchronization, BufferOverflow Communication, Message Device	Buffer overflow		Communication timing error: buffer overflow	MDC_EVT_BUFF_OVERFLOW	3:502
ErrorEvent Synchronization, Framing Communication, Message Device	Framing error		Communication error: framing error	MDC_EVT_FRAM_ERR	3:472
ErrorEvent Synchronization, Parity Communication, Message Device	Parity error		Communication error: parity error	MDC_EVT_PARITY_ERR	3:474
ErrorEvent Syntax, Protocol Communication, Message Device	Unanalyzable data		Undefined communication message syntax	MDC_EVT_MSG_SYNTAX_UNDEF	3:478
ErrorEvent Temperature, High Room Environment	Temperature unacceptable high		Abnormal high environmental temperature	MDC_EVT_TEMP_ENVIRON_HI_ABNORM	3:488
ErrorEvent Temperature, HighLimit FunctionalDisturbance Ventilator	High ventilator temperature		Respirator device temperature is too high	MDC_EVT_RESPIRATOR_TEMP_HI	3:514
ErrorEvent Temperature, Low Room Environment	Temperature unacceptable low		Abnormal low environmental temperature	MDC_EVT_TEMP_ENVIRON_N_LOW_ABNORM	3:486
ErrorEvent Temperature, Abnormal Room Environment	Temperature unacceptable		Abnormal environmental temperature	MDC_EVT_TEMP_ERR_ENVIRON	3:506
ErrorEvent Temperature, High Sensor Device	Temperature high		Temperature exceeds limit	MDC_EVT_TEMP_HI_GT_LIM	3:394
ErrorEvent Temperature, High Sensor Device	Temperature value high		Temperature value exceeds limit	MDC_EVT_TEMP_HI_VAL_GT_LIM	3:396
ErrorEvent Timing Processing Device	Timing error		Unspecified timing error	MDC_EVT_TIMING	3:414
ErrorEvent Transducer, Absent FunctionalDisturbance Device	Transducer/electrode absent		Transducer absent	MDC_EVT_XDUCR_ABSENT	3:334
ErrorEvent Transducer, Malfunction FunctionalDisturbance Device	Transducer/electrode problem		Transducer malfunctioning	MDC_EVT_XDUCR_MALF	3:338
ErrorEvent Transducer, Disconnected FunctionalDisturbance Device	Transducer disconnected		Error Event: Transducer Disconnected (specialized form of the generic disconnect event for measurements with intelligent transducer)	MDC_EVT_XDUCR_DISCONNECT_ONN	3:336

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part:Code
ErrorEvent Unanalyzable SignalQuality Device	Signal cannot be analyzed		Error Event: Signal Cannot Be Analyzed (for any secondary derived measurement when the input signal is bad)	MDC_EVT_SIG_UNANALYZEABLE	3::384
ErrorEvent Erratic SignalQuality Device	Signal erratic		Error Event: Signal erratic	MDC_EVT_SIG_ERRATIC	3::172
ErrorEvent Absent SignalQuality Device	Signal source absent		Error Event: Signal source absent	MDC_EVT_SRC_ABSENT	3::174
ErrorEvent Unavailable Processing Device	Unavailable		Resource is unavailable	MDC_EVT_UNAVAIL	3::110
ErrorEvent Undefined Processing Device	Undefined		Undefined	MDC_EVT_UNDEF	3::112
ErrorEvent Underflowed Processing Device	Underflowed		Underflow was detected in a measurement or calculation	MDC_EVT_COMPUT_UNDERFLOW	3::418
ErrorEvent Unequal Processing Device	Unequal		Unequal	MDC_EVT_UNEQU	3::116
ErrorEvent Unknown Processing Device	Unknown		VMD or signal is unknown	MDC_EVT_UNK	3::118
ErrorEvent Vibration, High FunctionalDisturbance Device	Excessive vibration		Vibration hinders adequate measurement	MDC_EVT_VIB_PROB	3::188
ErrorEvent Volume, Measurement, Inoperable FunctionalDisturbance Ventilator	Inoperable volume measurement		The volume measurement in a ventilator is inoperable	MDC_EVT_VENT_VOL_M_SMT_INOP	3::512
ErrorEvent Volume, Syringe, Empty Handling Pump	Syringe empty		Syringe needs to be replaced immediately	MDC_EVT_ADVIS_PUMP_SYRINGE_REPLACE_IMMEDIATE	3::6714
ErrorEvent VolumeNotConstant FunctionalDisturbance Ventilator	Vol inconst		Breathing volume is not constant	MDC_EVT_VENT_VOL_BR_EATHING_IRREG	3::510
ErrorEvent HeaterPowerProblem FunctionalDisturbance Ventilator	Heater power problem		Heater power problem	MDC_EVT_HEATING_PWR_PROB	3::262
ErrorEvent Waveform, Artifact SignalQuality Device	Artifact		Artifact is detected in a waveform	MDC_EVT_WAVE_ARTIF_ERROR	3::432
ErrorEvent Waveform, Disturbance SignalQuality Device	Signal quality		Disturbed waveform: result may be erroneous	MDC_EVT_WAVE_SIG_QUALERR	3::434
ErrorEvent Waveform, GainAdjustmentRequired FunctionalDisturbance Device	Gain adjustment required		Signal voltage is out of range	MDC_EVT_VOLTAGE_OUT_OF_RANGE	3::460
ErrorEvent Waveform, Interference SignalQuality Device	Signal interference		Interference in measurement	MDC_EVT_MSMT_INTERF_ERROR	3::436

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part:Code
ErrorEvent Waveform, Invalid SignalQuality Device	Invalid signal		Shape/amplitude of waveform is abnormal	MDC_EVT_WAVE_SHAPE_ABNORM	3:438
ErrorEvent Waveform, ShapeError SignalQuality Device	Signal shape		Shape/amplitude of waveform is abnormal	MDC_EVT_SHAPE_ERR	3:170
ErrorEvent Waveform, Noisy SignalQuality Device	Noisy signal		Noisy signal: result may be erroneous	MDC_EVT_SIG_NOISY	3:440
ErrorEvent Waveform, NoOscillation SignalQuality Device	No oscillation		Oscillation in waveform is expected, but not found	MDC_EVT_WAVE_OSCIL_ABSENT	3:442
ErrorEvent Waveform, NoOscillation SignalQuality Device	No oscillation		Oscillation in signal is absent	MDC_EVT_SIG_ABSENT_OSCIL	3:494
ErrorEvent Waveform, NoSignal SignalQuality Device	No signal		Typically, a zero voltage signal	MDC_EVT_SIG_ABSENT	3:444
ErrorEvent Waveform, SignalInvalid SignalQuality Device	Invalid signal		Signal amplitude is not as expected	MDC_EVT_SIG_AMPL_INV_ALID	3:496
ErrorEvent Waveform, SignalArtifact SignalQuality Device	Signal artifact		Signal artifact detected	MDC_EVT_SIG_ARTIFACT	3:500
ErrorEvent Waveform, PulseRate, Equal SignalQuality Device	Pulse rate coincidence		Pulse rate coincidence	MDC_EVT_SIG_RATE_EQ	3:498
ErrorEvent Disturbed SignalQuality Device	Disturbed		Signal is disturbed.	MDC_EVT_DISTURB	3:24
ErrorEvent Waveform, Poor SignalQuality Device	Signal quality poor		Signal quality poor	MDC_EVT_QUALITY	3:24
ErrorEvent Bad SignalQuality Device	Signal quality poor		Error Event: Signal is bad	MDC_EVT_SIG_QUALITY	3:24
ErrorEvent Waveform, Error Processing Device	Range error		Signal amplitude is incorrect for processing	MDC_EVT_RANGE_ERR	3:164
ErrorEvent Waveform, Overrange Processing Device	Overrange error		Signal amplitude is too high for processing	MDC_EVT_RANGE_OVER	3:166
ErrorEvent Waveform, LowSignal Processing Device	Underrange error		Signal amplitude is too low for processing, e.g., waveform detection	MDC_EVT_RANGE_UNDE	3:168
ErrorEvent Signal, Low SignalQuality Device	Low signal		Signal is low	MDC_EVT_SIG_LO	3:380
ErrorEvent Waveform, Range SignalQuality Device	Signal Range error		Signal is out of range	MDC_EVT_SIG_OUT_OF_RANGE	3:446

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ErrorEvent Waveform, Range Over SignalQuality Device	Signal Range error		Signal is overrange	MDC_EVT_SIG_RANGE_OVER	3::388
ErrorEvent Signal, Range, Under SignalQuality Device	Signal Range error		Signal is underrange	MDC_EVT_SIG_RANGE_UNDER	3::390
ErrorEvent Signal, Weak SignalQuality Device	Weak signal		Signal is weak	MDC_EVT_SIG_STRENGTH_WEAK	3::392
ErrorEvent Waveform, SignalProcessing SignalQuality Device	Signal processing error		Unspecified signal processing error	MDC_EVT_SIG_PROC_ERROR	3::448
ErrorEvent Waveform, Weak SignalQuality Device	Weak signal		Signal gain low: probably erroneous data extraction	MDC_EVT_SIG_GAIN_LO	3::404
ErrorEvent Waveform, Strong SignalQuality Device	Strong signal		Signal gain high: probably erroneous data extraction	MDC_EVT_SIG_GAIN_HI	3::148
ErrorEvent Waveform, Weak SignalQuality Device	Weak signal		Signal gain low: probably erroneous data extraction	MDC_EVT_SIG_GAIN_LO	3::150
ErrorEvent Weak SignalQuality Device	Weak signal		Weak signal was detected	MDC_EVT_WEAK	3::128
ErrorEvent Bandwidth SignalQuality Device	Bandwidth incorrect		Bandwidth incorrect	MDC_EVT_BW_INCORRECT	3::340
LimitEvent DeliveryTime Handling Pump	Delivery time elapsed		Configured time to deliver whole syringe/bottle is over	MDC_EVT_PUMP_SYRINGE_DELIV_TIMEOUT	3::574
LimitEvent High Processing Device	High limit alert	HIGH	A metric exceeds a given threshold	MDC_EVT_LIMIT_AL_HI	3::450
LimitEvent High, val>lim Processing Device	Value greater high limit		A metric exceeds a given threshold	MDC_EVT_HI	3::40
LimitEvent High, val>lim Processing Device	Value greater high limit		A metric exceeds a given threshold	MDC_EVT_HI_GT_LIM	3::42
LimitEvent High, val>lim Processing Device	Value greater high limit		A metric exceeds a given threshold	MDC_EVT_HI_VAL_GT_LIM	3::44
LimitEvent Low, val<lim Processing Device	Value smaller low limit		A metric falls short of a given threshold	MDC_EVT_LO	3::62
LimitEvent Low, val<lim Processing Device	Value smaller low limit		A metric falls short of a given threshold	MDC_EVT_LO_LT_LIM	3::64
LimitEvent Low, val<lim Processing Device	Value smaller low limit		A metric falls short of a given threshold	MDC_EVT_LO_VAL_LT_LIM	3::66
LimitEvent Low Processing Device	Low limit alert	LOW	A metric falls short of a given threshold	MDC_EVT_LIMIT_AL_LO	3::554

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
LimitEvent O ₂ , Low FunctionalDisturbance Ventilator	Low O ₂		Ventilator - low O ₂ delivery	MDC_EVT_VENT_DELIV_O2_LO	3::422
LimitEvent O ₂ , Concentration, Low FunctionalDisturbance Ventilator	Low O ₂ concentration		Too low O ₂ delivery (concentration)	MDC_EVT_VENT_CONC_O2_DELIV_LO	3::596
LimitEvent O ₂ , Flow, Low FunctionalDisturbance Ventilator	Low O ₂ flow		Too low O ₂ delivery (flow)	MDC_EVT_VENT_FLOW_O2_DELIV_LO	3::594
LimitEvent O ₂ , Supply, Low FunctionalDisturbance Ventilator	Low O ₂ supply		Too low O ₂ delivery (concentration or flow)	MDC_EVT_O2_SUPPLY_LO	3::296
LimitEvent Gas, Supply, Low FunctionalDisturbance Ventilator	Low gas supply		Medical gas or supply low	MDC_EVT_MED_GAS_SUPPLY_LO	3::282
LimitEvent Gas, Mix, Error FunctionalDisturbance Ventilator	Mix error		Mix error	MDC_EVT_MIX_ERR	3::156
LimitEvent Gas, Contamination FunctionalDisturbance Ventilator	Gas contamination		Gas contamination	MDC_EVT_GAS_CONTAM	3::256
LimitEvent Gas, Identification, Malfunction FunctionalDisturbance Ventilator	Gas identification malfunction		Gas agent identification malfunction	MDC_EVT_GAS_AGENT_IDENT_MALF	3::258
LimitEvent Gas, Line Problem FunctionalDisturbance Ventilator	Gas line problem		Gas line problem	MDC_EVT_GAS_LINE_PROB	3::260
LimitEvent Breathing system Occluded FunctionalDisturbance Ventilator	Breathing system occlusion		Breathing system occlusion	MDC_EVT_VENT_OCCL	3::200
LimitEvent Tube, Occluded FunctionalDisturbance Device	Tube occluded		Flow in tube is occluded	MDC_EVT_TUBE_OCCL	3::250
LimitEvent Tube, Disconnect FunctionalDisturbance Device	Tube disconnected		Tube disconnected, e.g., disconnection in fresh gas flow hose	MDC_EVT_TUBE_DISCON	3::326
LimitEvent Flow, Leak FunctionalDisturbance Device	Leak		Leak in tube	MDC_EVT_TUBE_LEAK	3::328
LimitEvent Flow, Impediment FunctionalDisturbance Device	Flow impediment		Flow in tube is obstructed	MDC_EVT_TUBE_OBSTR	3::330
LimitEvent Flow, Leak FunctionalDisturbance Device	Leak		Leak in hose within breathing system	MDC_EVT_HOSE_LEAK	3::264
LimitEvent Flow, Impediment FunctionalDisturbance Device	Flow impediment		Flow in hose is obstructed	MDC_EVT_HOSE_OBSTR	3::266
LimitEvent Flow, Leak FunctionalDisturbance Endotracheal tube	Endotracheal tube leak		Endotracheal tube leak (ventilator)	MDC_EVT_ENDOTRACH_TUBE_LEAK	3::238

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
LimitEvent Pressure, Impediment FunctionalDisturbance Pump	Flow impediment		Flow is obstructed	MDC_EVT_OBSTRUC MDC_EVT_OCCL	3::80
LimitEvent Pressure, Obstructed FunctionalDisturbance Pump	Flow impediment		Flow is obstructed	MDC_EVT_FLOW_OBSTR UC	3::576
LimitEvent Pressure, Reverse FunctionalDisturbance Pump	Flow reverse		Flow is reversed	MDC_EVT_FLOW_REVER SED	3::344
LimitEvent Pressure, Disturbed FunctionalDisturbance Pump	Flow disturbed		Flow is disturbed	MDC_EVT_FLOW_DISTUR B	3::520
LimitEvent Pressure, Low FunctionalDisturbance Pump	Flow is low		Flow is low	MDC_EVT_FLOW_LO	3::342
LimitEvent Pressure, StopOpen FunctionalDisturbance Pump	Flow stop valve is open		Flow stop valve is open	MDC_EVT_FLOW_STOP_ OPEN	3::736
LimitEvent Flow, Reversed FunctionalDisturbance Device	Flow is reversed		Flow is reversed	MDC_EVT_REVERSED	3::96
LimitEvent StandbyTimeElapsed Handling Pump	Standby time elapsed		Timeout: device should be either operated or turned off	MDC_EVT_TIMEOUT	3::584
LimitEvent TotalVolume Handling Pump	Total volume infused		Total volume infused (pump)	MDC_EVT_PUMP_VOL_T BI_COMP	3::586
LocalisationEvent Location Device			Report of location of a device as item	MDC_EVT_LS_DEVICE	3::7168
LocalisationEvent Location Person			Report of location of a person as item	MDC_EVT_LS_PERSON	3::7170
LocalisationEvent Movement Item			Report of movement of expected stationary item	MDC_EVT_LS_MOVEMEN T	3::7172
LocalisationEvent Movement, Boundary Device			Report of constrained location item exceeding defined boundary	MDC_EVT_LS_BOUNDAR Y	3::7174
LocalisationEvent Location, Colocation Device			Report of item colocation with another item	MDC_EVT_LS_COLOCATI ON	3::7176
LocalisationEvent Location, Time exceeded Device			Report of expected moving item dwelling in location longer than a defined period	MDC_EVT_LS_DWELL	3::7178
LocalisationEvent Acceleration Device			Report of item acceleration increase potentially due to leaning or falling	MDC_EVT_LS_ACCELER OMETER	3::7180
LocalisationEvent Tamper Device			Report of item tamper interlock being indicated	MDC_EVT_LS_TAMPER	3::7182
LocalisationEvent Interaction Device			Report of operator interaction with item by button press, cord pull	MDC_EVT_LS_INTERACTI ON	3::7184
LocalisationEvent Communication Lost Device			Report of loss of communication with item	MDC_EVT_LS_MISSING	3::7186

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
LocalisationEvent Environment Device			Report of item environment of temperature, humidity, pressure, gases	MDC_EVT_LS_ENVIRONM ENT	3::7188
LocalisationEvent Location Battery			Report of item active tag battery status	MDC_EVT_LS_BATTERY	3::7190
Status FunctionalStatus Device	Functional status		Report of functional status of device	MDC_EVT_STAT_DEV	3::6278
Status Active FunctionalStatus Device	Active		Active state of, e.g., device	MDC_EVT_STAT_ACTIVE	3::6198
Status Idle FunctionalStatus Device	Idle		Idle state of, e.g., device	MDC_EVT_IDLE	3::720
Status Callback FunctionalStatus Device	Callback		Callback	MDC_EVT_CALLBACK	3::722
Status Agent, VaporIris, Disabled FunctionalStatus Ventilator	Agent vaporIris disabled	A-VAP OFF	The function of gaseous agent mixing iris in a ventilator (anesthesia machine) is disabled	MDC_EVT_STAT_VENT_G AS_MIXER_FUNC_DISABL	3::6196
Status Alarm FunctionalStatus Device	Alarm	ALARM	Alarm state of, e.g., device or signal	MDC_EVT_STAT_AL	3::6216
Status Alarm, Off FunctionalStatus Device	Alarm off	ALARM OFF	Indication: Alarm Intentionally Off (disabled)	MDC_EVT_STAT_AL_OFF	3::6144
Status Alarm, On FunctionalStatus Device	Alarm on	ALARM ON	Indication: Alarm Intentionally On (enabled)	MDC_EVT_STAT_AL_ON	3::6146
Status Alarm, Silenced FunctionalStatus Device	Alarm silenced		Alarm is silenced (speaker off)	MDC_EVT_STAT_AL_SILE NCE	3::6214
Status Alarm, Paused FunctionalStatus Device	Alarm paused	ALARM PAUSED	Indication: Alarm paused	MDC_EVT_STAT_AL_PAU SED	3::6218
Status Apnea, Alarm, Disabled FunctionalStatus Device	Apnea alarm disabled	APNEA ALARM OFF	Apnea alarm is disabled	MDC_EVT_STAT_APNEA_ AL_DISABL	3::6274
Status Battery, Charging FunctionalStatus Device	Battery charging		Battery is now being recharged	MDC_EVT_STAT_BATT_C HARGING	3::6150
Status BatteryOperated FunctionalStatus Device	Battery operated		Device is battery operated	MDC_EVT_STAT_DEV_BA TT_OPERATED	3::6276
Status BatteryOperated, Set FunctionalStatus Device	Set to Battery operated		Device changed to battery operation	MDC_EVT_STAT_POWER _SET_BATT	3::6290
Status Beep, Off FunctionalStatus Device	Beep off		The beep is off (QRS)	MDC_EVT_STAT_QRS_BE EP_OFF	3::6272
Status Backup, Mode FunctionalStatus Device	Backup mode		Indication: Device in Backup mode, No Measurement Possible	MDC_EVT_STAT_BACKUP _MODE	3::6148

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Status Calibration, Mode FunctionalStatus Device	Calibration mode		Indication: Device in Calibration mode, No Measurement Possible	MDC_EVT_STAT_CALIB_MODE	3::6152
Status Calibration, Running FunctionalStatus Device	Calibration in progress		Indication: Calibration in Progress, No Measurement Possible	MDC_EVT_STAT_CALIB_RUNNING	3::6154
Status Calibration, Running FunctionalStatus Device	Calibration in progress		Indication: Calibration of invivo probe in Progress, No Measurement Possible	MDC_EVT_STAT_CALIB_I NVIVO_RUNNING	3::6156
Status Calibration, Running FunctionalStatus Device	Calibration in progress		Indication: Calibration of light source in Progress, No Measurement Possible	MDC_EVT_STAT_CALIB_L IGHTR_RUNNING	3::6158
Status Calibration, Running FunctionalStatus Device	Calibration in progress		Indication: Calibration of an optical (or other) sensor prior to insertion of a sensor/catheter	MDC_EVT_STAT_CALIB_P REINS_RUNNING	3::6160
Status Configuration, Running FunctionalStatus Device	Configuration in progress		Indication: Configuration in Progress, No Measurement Possible	MDC_EVT_STAT_CONFIG	3::6162
Status Selftest, Running FunctionalStatus Device	Self test in progress		Indication: Self test in Progress, No Measurement Possible	MDC_EVT_STAT_SELFTE ST_RUNNING	3::6164
Status Learning, Running FunctionalStatus Device	Learning in progress		Indication: Learning - analyzing waveform	MDC_EVT_STAT_LEARN	3::6224
Status Standby mode FunctionalStatus Device	Standby mode		Indication: In standby mode, No Measurement Possible	MDC_EVT_STAT_STANDB Y_MODE	3::6166
Status Diagnostic test, Running FunctionalStatus Device	Diagnostic test in progress		Indication: Diagnostic test in Progress, No Measurement Possible	MDC_EVT_STAT_TEST_R UNNING	3::6168
Status Zero calibration, Running FunctionalStatus Device	Zero calibration in progress		Indication: Zero calibration in Progress, No Measurement Possible	MDC_EVT_STAT_ZERO_R UNNING	3::6170
Status Operating mode, optical sensor connected FunctionalStatus Device	Optical sensor connected		Indication: Optical sensor connected	MDC_EVT_STAT_OPT_M OD_SENSOR_CONN	3::6172
Status Operating mode, optical sensor warming FunctionalStatus Device	Optical sensor warming in progress		Indication: Optical sensor warming in Progress, No Measurement Possible	MDC_EVT_STAT_OPT_M OD_SENSOR_WARMING	3::6174
Status Operating mode, sensor warming FunctionalStatus Device	Sensor warming in progress		Indication: Sensor warming in Progress, No Measurement Possible	MDC_EVT_STAT_SEN SO R_WARMING	3::6176
Status Operating mode, device warming FunctionalStatus Device	Device warming in progress		Indication: Device warming in Progress, No Measurement Possible	MDC_EVT_STAT_WARMI NG	3::6178
Status Operating mode, device warming FunctionalStatus Device	Device warming in progress		Indication: Device warming in Progress, No Measurement Possible	MDC_EVT_WARMING	3::124

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Status Charging FunctionalStatus Device	Charging		Charging state of, e.g., battery	MDC_EVT_STAT_CHARGING	3::6212
Status CO ₂ Alarm, Disabled FunctionalStatus Device	CO ₂ alarm disabled	CO ₂ ALARM OFF	Carbon dioxide alarm is disabled	MDC_EVT_STAT_CO ₂ _AL_DISABL	3::6270
Status CO ₂ NotCalibrated FunctionalStatus Device	CO ₂ not calibrated		Carbon dioxide is not calibrated	MDC_EVT_STAT_CO ₂ _UNCALIB	3::6292
Status CO ₂ WarmUp FunctionalStatus Device	CO ₂ warm-up	CO ₂ WARM UP	Carbon dioxide monitor in warm-up mode	MDC_EVT_STAT_CO ₂ _WARMING	3::6268
Status ComputerControlled FunctionalStatus Device	Computer controlled		Device, e.g., pump, is in computer-controlled mode	MDC_EVT_STAT_DEV_MODE_COMPUT_CNTRLD	3::6286
Status Connected FunctionalStatus Device	Connected		Connected state of device, sensor, etc	MDC_EVT_STAT_CONN	3::6252
Status Depleted FunctionalStatus Device	Depleted		A sensor, absorber, etc., is depleted	MDC_EVT_STAT_DEPLET	3::6248
Status Detected Processing Device	Detected		Some signal or special condition was detected	MDC_EVT_DETEC	3::20
Status Disconnected FunctionalStatus Device	Disconnected		Disconnection of a sensor, device, etc	MDC_EVT_STAT_DISCONN	3::6256
Status Mode FunctionalStatus Device	Mode status		Mode status	MDC_EVT_MODE	3::72
Status Display, Stopped FunctionalStatus Device	Display stopped		The display is stopped	MDC_EVT_STAT_DISP_STOP	3::102
Status Door, Closed Room Environment	Door closed		Door in the (sleep measurement) room is closed	MDC_EVT_STAT_DOOR_CLOSED	3::6244
Status Door, Open Room Environment	Door opened		Door in the (sleep measurement) room is opened	MDC_EVT_STAT_DOOR_OPEN	3::6220
Status ECG, Alarm, Disabled Processing Device	ECG alarm disabled		Status: All ECG alarms are off (still need these in France to meet French homologation, despite MDD)	MDC_EVT_STAT_ECG_AL_ALL_OFF	3::6182
Status ECG, Alarm, PartiallyDisabled Processing Device	ECG alarm partially disabled		Status: Some ECG alarms are off (still need these in France to meet French homologation, despite MDD)	MDC_EVT_STAT_ECG_AL_SOME_OFF	3::6184
Status Lights, Off Room Environment	Lights off	Loff	Lights in the (sleep measurement) room are switched off	MDC_EVT_LIGHTS_IN_ROOM_OFF	3::276
Status Lights, On Room Environment	Lights on	Lon	Lights in the (sleep measurement) room are switched on	MDC_EVT_STAT_LIGHTS_IN_ROOM_ON	3::6260

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Status MainsOperated FunctionalStatus Device	Mains operated		Device is mains-operated	MDC_EVT_STAT_DEV_MA INS_OPERATED	3::6284
Status MainsOperated, Set FunctionalStatus Device	Set mains operated		Device changed to mains-operated	MDC_EVT_STAT_POWER _SET_LINE	3::6288
Status Mode, Adult FunctionalStatus Device	Adult mode		Device is in adult mode	MDC_EVT_STAT_DEV_M ODE_ADULT	3::6282
Status Mode, Paediatric FunctionalStatus Device	Paediatric mode		Device is in pediatric mode	MDC_EVT_STAT_DEV_M ODE_PEDIATRIC	3::6280
Status NIBP, Cuff, Deflating FunctionalStatus Device	Cuff deflating		NIBP is deflating cuff and measuring blood pressure	MDC_EVT_STAT_NBP_DE FL_AND_MEAS_BP	3::6250
Status NIBP, Cuff, Inflating FunctionalStatus Device	Cuff inflating		NIBP is inflating cuff to maximum cuff pressure	MDC_EVT_STAT_NBP_IN FL_TO_MAX_CUFF_PRES S	3::6222
Status Delivery Period Complete FunctionalStatus Device			A specified period for delivery has elapsed	MDC_EVT_TIME_PD_DELI V_COMP	3::524
Status Standby Period Complete FunctionalStatus Device			A specified period for standby has elapsed	MDC_EVT_TIME_PD_STA NBYP_COMP	3::530
Status NotCalibrated FunctionalStatus Device	VMD not calibrated		VMD is not calibrated	MDC_EVT_STAT_UNCALI B	3::6190
Status Off FunctionalStatus Device	Off	OFF	Device or VMD is in off condition	MDC_EVT_STAT_OFF	3::6226
Status On FunctionalStatus Device	On	ON	Device or VMD is in on condition	MDC_EVT_STAT_ON	3::6266
Status Running FunctionalStatus Device	Active/running		Indication: Device Active/Pump Running	MDC_EVT_STAT_RUNNIN G	3::6294
Status SighMode, Active FunctionalStatus Ventilator	Sigh mode active		Sigh mode is active	MDC_EVT_STAT_MODE_ SIGH_ACTIVE	3::6188
Status Sound, Off Room Environment	Sound off	Soft	Sound in the (sleep measurement) room is switched off	MDC_EVT_STAT_SOUND _IN_ROOM_OFF	3::6258
Status Sound, On Room Environment	Sound on	Son	Sound in the (sleep measurement) room is switched on	MDC_EVT_STAT_SOUND _IN_ROOM_ON	3::6264
Status Standby FunctionalStatus Device	Standby on	STANDBY	Indication: Device In Standby Mode	MDC_EVT_STAT_STANDBY	3::6228
Status TachyApnea, Alarm, Disabled FunctionalStatus Device	Tachyapnea alarm disabled		Tachyapnea alarm is disabled	MDC_EVT_STAT_AL_TAC HAPNEA_DISABL	3::6230
Status TachyApnea, Alarm, Disabled FunctionalStatus Ventilator	Tachyapnea alarm disabled		Tachyapnea alarm in a ventilator is disabled	MDC_EVT_STAT_VENT_A L_TACHAPNEA_DISABL	3::6210

Table A.9.3.5.1—Nomenclature and codes for device-related and environment-related events (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Status TestMode FunctionalStatus Device	In test mode		Device or VMD is in test mode	MDC_EVT_STAT_MODE_TEST	3::6232
Status Volume, PressureLimited FunctionalStatus Ventilator	Respiratory volume pressure limited	PRESSURE LTD	Respiratory volume pressure is limited	MDC_EVT_STAT_VENT_PRESS_RESP_VOL_LIMITED	3::6206
Status Volume, TimeLimited FunctionalStatus Ventilator	Respiratory volume time limited	TIME LTD	Respiratory volume time is limited	MDC_EVT_STAT_VENT_TIME_RESP_VOL_LIMITED	3::6202
Status Waveform, Learning FunctionalStatus Device	Waveform learning		Device or VMD learns waveform for recognition	MDC_EVT_STAT_WAVE_LEARN	3::6234
Status SoftwareVersion FunctionalStatus Technical	Software version		An event or report regarding software version and update status	MDC_EVT_SW_VER_REPORT	3::832
Status TLSCertificateExpired FunctionalStatus Technical	TLS certificate expired		An event or report regarding that the TLS (Transport Layer Security) certificate is about to expire or has expired	MDC_EVT_TLS_CERT_EXPIRY	3::834
SynchronizationEvent Processing Device	Sync	SYNC	Synchronization event for synchronization of different processes	MDC_EVT_SYNC	3::426
SynchronizationEvent Inspiration, Started Processing Ventilator	Inspiration started		Sync pulse/Start of ventilator inspiratory cycle	MDC_EVT_VENT_CYCLE_INSP_START	3::466
SynchronizationEvent Tick Processing Device	Timer tick	TICK	Timer tick of real-time clock for synchronization of all processes	MDC_EVT_TIMER_SYNC_TICK	3::480

A.9.3.6 Deprecated terms for device-related and environment-related events

Certain terms for device-related and environment-related events have been deprecated. These are listed in Table A.9.3.6.1.

Table A.9.3.6.1—Deprecated terms for device-related and environment-related events

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
			Undefined	MDC_EVT_DELAY_IMPOS SIBLE	3:742

A.9.3.7 Deprecated RefIds for device-related and environment-related events

Certain RefIds for device-related and environment-related events have been deprecated. These are listed in Table A.9.3.7.1.

Table A.9.3.7.1—Deprecated RefIds for device-related and environment-related events

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
ErrorEvent Synchronization, BufferOverflow Communication, Message Device	Buffer overflow		Use MDC_EVT_BUFF_OVERFLOW (3:502)	MDC_EVT_BUFF_OVERFLOW O	3:202

A.10 Systematic derivations of terms and codes for infrastructure (Partition 8)

A.10.1 Introduction

The target category is *infrastructure*.

A.10.2 Base concepts, device specialization

The target category is *device specialization*. The different devices applied within the scenarios forming the basis of the DIM have different functionality and are identified by their device specialization.

— **Specialization**

A.10.2.1 First set of differentiating criteria

The first semantic link is based on the concept of the device specialization.

A.10.2.2 Semantic link "*has specialization*:"

Applicable descriptors include the following:

— **Specialization**

A.10.2.3 Code table

Systematic derivations of terms and codes for device specialization are outlined in Table A.10.2.3.1.

Table A.10.2.3.1—Nomenclature and codes for infrastructure, device specialization (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Profile Device Hydra	Hydra device		Used to indicate where an agent implements multiple device specializations or a manager supports any defined specialization(s), but where an external protocol is unable to indicate such a list of specializations	MDC_DEV_SPEC_PROFILE_H_YDRA	8::4096
Profile Device Infusion pump	Infusion pump			MDC_DEV_SPEC_PROFILE_IN_FUS	8::4097
Profile Device Ventilator	Ventilator			MDC_DEV_SPEC_PROFILE_VE_NT	8::4098
Profile Device Vital Signs Monitor	Vital Signs Monitor	VS		MDC_DEV_SPEC_PROFILE_VS_MON	8::4099
Profile Device Pulse Oximeter	Pulse Oximeter			MDC_DEV_SPEC_PROFILE_P_ULS_OXIM	8::4100
Profile Device Defibrillator	Defibrillator			MDC_DEV_SPEC_PROFILE_D_EFIB	8::4101
Profile Device ECG	ECG	ECG		MDC_DEV_SPEC_PROFILE_E_CG	8::4102
Profile Device Blood Pressure Monitor BPM	Blood Pressure Monitor	BPM		MDC_DEV_SPEC_PROFILE_BP_MP	8::4103
Profile Device Temperature Monitor	Temperature Monitor			MDC_DEV_SPEC_PROFILE_TE_MP	8::4104
Profile Device Airway Flow	Airway Flow			MDC_DEV_SPEC_PROFILE_AI_RWAY_FLOW	8::4105
Profile Device Cardiac Output	Cardiac Output			MDC_DEV_SPEC_PROFILE_C_ARD_OUT	8::4106
Profile Device Capnometer	Capnometer			MDC_DEV_SPEC_PROFILE_C_AP_NOM	8::4107
Profile Device Haemodynamic calculator	Haemodynamic calculator		Instrument that derives Haemodynamic parameters	MDC_DEV_SPEC_PROFILE_C_ALC_HEMO	8::4108
Profile Device Pulmonary calculator	Pulmonary calculator		Instrument that derives pulmonary parameters	MDC_DEV_SPEC_PROFILE_C_ALC_PULM	8::4109
Profile Device Respiration Monitor	Respiration Monitor			MDC_DEV_SPEC_PROFILE_R_ESP	8::4110
Profile Device Weigh Scale	Weigh Scale			MDC_DEV_SPEC_PROFILE_S_CALE	8::4111

Table A.10.2.3.1—Nomenclature and codes for infrastructure, device specialization (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Profile Device Glucose Monitor	Glucose Monitor	GM		MDC_DEV_SPEC_PROFILE_GLUCOSE	8::4113
Profile Device Coagulation INR	International Normalized Ratio	INR		MDC_DEV_SPEC_PROFILE_COAG	8::4114
Profile Device Insulin Pump	Insulin Pump			MDC_DEV_SPEC_PROFILE_INSULIN_PUMP	8::4115
Profile Device Body Composition Analyzer BCA	Body Composition Analyzer	BCA		MDC_DEV_SPEC_PROFILE_BCA	8::4116
Profile Device Peak Expiratory Flow Monitor PEF	Peak Expiratory Flow	PEF		MDC_DEV_SPEC_PROFILE_PEF	8::4117
Profile Device Urine Analyzer	Urine Analyzer			MDC_DEV_SPEC_PROFILE_URINE_ANALYZER	8::4118
Profile Device Sleep Quality Monitor	Sleep Quality Monitor			MDC_DEV_SPEC_PROFILE_SLEEP_QUALITY	8::4119
Profile Device Sleep and Breathing Therapy Equipment SABTE	Sleep and Breathing Therapy Equipment	SABTE		MDC_DEV_SPEC_PROFILE_SABTE	8::4120
Profile Device Continuous Glucose Monitor	Continuous Glucose Monitor	CGM		MDC_DEV_SPEC_PROFILE_CGM	8::4121
Profile Device Power Status Monitor	Power Status Monitor			MDC_DEV_SPEC_PROFILE_POWER_STATUS	8::4124
Profile Device Health and Fitness Cardiac	Cardiac Health and Fitness			MDC_DEV_SPEC_PROFILE_CARDIO	8::4137
Profile Device Health and Fitness Strength	Strength Health and Fitness			MDC_DEV_SPEC_PROFILE_STRENGTH	8::4138
Profile Device Aging Independently Activity Hub	Aging Independently Activity Hub			MDC_DEV_SPEC_PROFILE_ACTIVITY_HUB	8::4167

Table A.10.2.3.1—Nomenclature and codes for infrastructure, device specialization (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Profile Device Aging Independently Medication Minder	Aging Independently Medication Minder			MDC_DEV_SPEC_PROFILE_AI_MED_MINDER	8::4168
Profile Device Generic	Generic device		Indicates an agent that adheres to the IEEE 11073 standard, but for which no specification exists in a 104zz device specialization standard	MDC_DEV_SPEC_PROFILE_G_ENERIC	8::4169

A.10.2.4 Withdrawn term for Infrastructure, device specialization

Certain nomenclature for device specialization has been withdrawn. These are listed in Table A.10.2.4.1.

Table A.10.2.4.1—Withdrawn terms for device specialization

Systematic name	Common term	Acronym	Description	RefId	Part::Code
Profile Device Generic	Generic device		The code is changed to 4169 due to conflict with an existing code	MDC_DEV_SPEC_PROFILE_GENERIC	8::4097

A.10.3 Base concepts, device sub-specialization

The target category is *infrastructure*. Within a device specialization, distinct sub-specializations have different functionalities and are identified by their device sub-specialization.

- Sub-specialization

A.10.3.1 Second set of differentiating criteria

The second semantic link is based on the concept performs. The devices are, therefore, classified into a number of possible sub-categories based on the functionality they perform.

A.10.3.2 Semantic link "has sub-specialization":

Applicable descriptors include the following:

- Sub-specialization

A.10.3.3 Code table

Systematic derivations of terms and codes for ECG sensors are outlined in Table A.10.3.3.1.

Table A.10.3.3.1—Nomenclature and codes for Infrastructure, sub-specialization (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Profile Device Sub-specialization HF Step Counter	Step Counter			MDC_DEV_SUB_SPEC_PROFI LE_STEP_COUNTER	8::4196
Profile Device Sub-specialization HF Activity Monitor	Activity Monitor			MDC_DEV_SUB_SPEC_PROFI LE_ACTIVITY	8::4197
Profile Device Sub-specialization Aging Independently Sensor Fall	Fall sensor			MDC_DEV_SUB_SPEC_PROFI LE_FALL_SENSOR	8::4213
Profile Device Sub-specialization Aging Independently Sensor PERS	PERS sensor	PERS		MDC_DEV_SUB_SPEC_PROFI LE_PERS_SENSOR	8::4214
Profile Device Sub-specialization Aging Independently Sensor Smoke	Smoke sensor			MDC_DEV_SUB_SPEC_PROFI LE_SMOKE_SENSOR	8::4215
Profile Device Sub-specialization Aging Independently Sensor CO	CO sensor			MDC_DEV_SUB_SPEC_PROFI LE_CO_SENSOR	8::4216

Table A.10.3.3.1—Nomenclature and codes for Infrastructure, sub-specialization (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Profile Device Sub-specialization Aging Independently Sensor Water	Water sensor			MDC_DEV_SUB_SPEC_PROFI LE_WATER_SENSOR	8::4217
Profile Device Sub-specialization Aging Independently Sensor Gas	Gas sensor			MDC_DEV_SUB_SPEC_PROFI LE_GAS_SENSOR	8::4218
Profile Device Sub-specialization Aging Independently Sensor Motion	Motion sensor			MDC_DEV_SUB_SPEC_PROFI LE_MOTION_SENSOR	8::4219
Profile Device Sub-specialization Aging Independently Sensor Property Exit	Property exit sensor			MDC_DEV_SUB_SPEC_PROFI LE_PROPEXIT_SENSOR	8::4220
Profile Device Sub-specialization Aging Independently Sensor Enuresis	Enuresis sensor			MDC_DEV_SUB_SPEC_PROFI LE_ENURESIS_SENSOR	8::4221
Profile Device Sub-specialization Aging Independently Sensor Contact Closure	Contact closure sensor			MDC_DEV_SUB_SPEC_PROFI LE_CONTACTCLOSURE_SENS OR	8::4222
Profile Device Sub-specialization Aging Independently Sensor Usage	Usage sensor			MDC_DEV_SUB_SPEC_PROFI LE_USAGE_SENSOR	8::4223
Profile Device Sub-specialization Aging Independently Sensor Switch	Switch sensor			MDC_DEV_SUB_SPEC_PROFI LE_SWITCH_SENSOR	8::4224
Profile Device Sub-specialization Aging Independently Sensor Dosage	Dosage sensor			MDC_DEV_SUB_SPEC_PROFI LE_DOSAGE_SENSOR	8::4225
Profile Device Sub-specialization Aging Independently Sensor Temperature	Temperature sensor			MDC_DEV_SUB_SPEC_PROFI LE_TEMP_SENSOR	8::4226
Profile Device Sub-specialization Aging Independently Sensor Humidity	Humidity sensor			MDC_DEV_SUB_SPEC_PROFI LE_HUMIDITY_SENSOR	8::4227
Profile Device Sub-specialization Aging Independently Sensor Location	Location sensor			MDC_DEV_SUB_SPEC_PROFI LE_LOCATION_SENSOR	8::4228
Profile Device Sub-specialization Aging Independently Sensor Temperature, Current	Current temperature sensor			MDC_DEV_SUB_SPEC_PROFI LE_CURRENT_TEMP_SENSOR	8::4229
Profile Device Sub-specialization Aging Independently Sensor Humidity, Current	Current humidity sensor			MDC_DEV_SUB_SPEC_PROFI LE_CURRENT_HUMIDITY_SEN SOR	8::4230

Table A.10.3.3.1—Nomenclature and codes for Infrastructure, sub-specialization (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Profile Device Sub-specialization Aging Independently Sensor Usage, Utility	Utility usage sensor			MDC_DEV_SUB_SPEC_PROFI LE_USAGE_SENSOR	8::4231
Profile Device Sub-specialization Aging Independently Sensor Usage, Utility, Instantaneous	Instantaneous utility usage sensor			MDC_DEV_SUB_SPEC_PROFI LE_INSTANTANEOUS_USAGE_SENSOR	8::4232
Profile Device Sub-specialization Aging Independently Sensor Location, GPS	GPS location sensor			MDC_DEV_SUB_SPEC_PROFI LE_GPS_LOCATION_SENSOR	8::4233
Profile Device Sub-specialization Aging Independently Sensor Speed	Speed sensor			MDC_DEV_SUB_SPEC_PROFI LE_SPEED_SENSOR	8::4234
Profile Device Sub-specialization ECG ECG	ECG monitor	ECG		MDC_DEV_SUB_SPEC_PROFI LE_ECG	8::4236
Profile Device Sub-specialization ECG Heart Rate	HR monitor	HR		MDC_DEV_SUB_SPEC_PROFI LE_HR	8::4237
Profile Device Sub-specialization SABTE CPAP	CPAP	CPAP		MDC_DEV_SUB_SPEC_PROFI LE_CPAP	8::4244
Profile Device Sub-specialization SABTE CPAP Auto	CPAP Auto			MDC_DEV_SUB_SPEC_PROFI LE_CPAP_AUTO	8::4245
Profile Device Sub-specialization SABTE BPAP	BPAP	BPAP		MDC_DEV_SUB_SPEC_PROFI LE_BPAP	8::4246
Profile Device Sub-specialization SABTE BPAP Auto	BPAP Auto			MDC_DEV_SUB_SPEC_PROFI LE_BPAP_AUTO	8::4247
Profile Device Sub-specialization SABTE ACSV	ACSV			MDC_DEV_SUB_SPEC_PROFI LE_ACSV	8::4248
Profile Device Sub-specialization Power Status Monitor Eight or less batteries	Eight or less batteries			MDC_DEV_SUB_SPEC_PROFI LE_EIGHT_OR_LESS_BATTERIES	8::4249
Profile Device Sub-specialization Power Status Monitor More than Eight batteries	More than Eight batteries			MDC_DEV_SUB_SPEC_PROFI LE_MORE_THAN_EIGHT_BATTERIES	8::4250

A.10.4 Base concepts, time synchronization profiles

The target category is *infrastructure*.

A.10.4.1 Second set of differentiating criteria

The second semantic link is based on the concept time synchronization profile.

A.10.4.2 Semantic link "*is time synchronization profile*:"

Applicable descriptors include the following:

- **Time synchronization profile**

A.10.4.3 Code table

Systematic derivations of terms and codes for ECG sensors are outlined in Table A.10.4.3.1.

Table A.10.4.3.1—Time synchronization profiles

Description/Definition	RefId	Part::Code
An uncalibrated and unsynchronized local clock source	MDC_TIME_SYNC_NONE	8::7936
A manually set time, by 'eyeball and wristwatch'	MDC_TIME_SYNC_EBWW	8::7946
Network Time Protocol Version 3.0 (RFC 1305)	MDC_TIME_SYNC_NTPV3	8::7937
Network Time Protocol Version 4.0 (under dev)	MDC_TIME_SYNC_NTPV4	8::7938
Simple Network Time Protocol v4 (RFC 2030)	MDC_TIME_SYNC_SNTPV4	8::7939
Simple Network Time Protocol v4 (RFC 4330)	MDC_TIME_SYNC_SNTPV4330	8::7940
Bluetooth Medical Device Profile	MDC_TIME_SYNC_BTV1	8::7941
Synced to the 1kHz USB "start-of-frame" clock	MDC_TIME_SYNC_USB_SOF	8::7947
Atomic Clock synchronization through RF	MDC_TIME_SYNC_RADIO	8::7942
Synchronized via Health Level 7 NCK (network clock)	MDC_TIME_SYNC_HL7_NCK	8::7943
CDMA mobile telecommunications synchronization	MDC_TIME_SYNC_CDMA	8::7944
GSM - Network Identity and Time Zone (NITZ)	MDC_TIME_SYNC_GSM	8::7945
A time sync method that is out of scope for IEEE 11073	MDC_TIME_SYNC_OTHER	8::7948
A time sync method based on other mobile network technology that is not listed above	MDC_TIME_SYNC_OTHER_MOBILE	8::7949
A time sync method based on GPS information	MDC_TIME_SYNC_GPS	8::7950

A.11 Systematic derivations of terms and codes for personal health devices disease management (Partition 128)

A.11.1 Introduction

The target category is *personal health devices (PHD), disease management*. This category includes, but is not restricted to, devices that are used by the person to take their own observations or therapy.

A.11.2 Base concepts, general device properties

The target category is *device, general*. The different devices applied within the scenarios forming the basis of the DIM have different functionality. The terms are defined in IEEE Std 11073-20601. Accordingly, the following base concepts have been identified:

- **Sensor** (devices [or the subsystems of more complex devices] that acquire and report data or an event.

A.11.2.1 First set of differentiating criteria

The first semantic link is based on the concept performs (typically afferent functions, particularly measurement, but also efferent functions such as regulation). The devices are, therefore, classified into a number of possible categories based on the functionality they perform.

A.11.2.2 Semantic link "*has measured property*:"

Applicable descriptors include the following:

- **Status**

A.11.2.3 Code table

Systematic derivations of terms and codes for general codes are outlined in Table A.11.2.3.1.

Table A.11.2.3.1—Nomenclature and codes for PHD Disease Management, general

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Disease Management DeviceStatus Personal Health Device	PHD DM status		Common PHD disease management status object.	MDC_PHD_DM_DEV_STAT	128::20000

A.11.3 Base concepts, Basic ECG sensors and status

The target category is *device, Basic ECG*. The different devices applied within the scenarios forming the basis of the DIM have different functionality. The terms are defined in IEEE Std 11073-10406. Accordingly, the following base concepts have been identified:

- **Sensor** (devices [or the subsystems of more complex devices] that acquire and report data or an event.)

A.11.3.1 First set of differentiating criteria

The first semantic link is based on the concept performs (typically afferent functions, particularly measurement, but also efferent functions such as regulation). The devices are, therefore, classified into a number of possible categories based on the functionality they perform.

A.11.3.2 Semantic link "has measured property"

Applicable descriptors include the following:

- **ECG measurement**
- **ECG status**

A.11.3.3 Code table

Systematic derivations of terms and codes for ECG sensors are outlined in Table A.11.3.3.1.

Table A.11.3.3.1—Nomenclature and codes for PHD Disease Management, Basic ECG sensors

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Disease Management DeviceStatus ECG	ECG device context status		ECG device status and context object.	MDC_ECG_DEV_STAT	128::21976
Disease Management ECG Heart Rate Instant	Instantaneous heart rate		Instantaneous heart rate	MDC_ECG_HEART_RATE_INSTANT	128::21982

A.11.4 Base concepts, Basic ECG event context

The target category is *ECG event context*. Events may occur when monitoring the ECG and a representative sample of ECG recording sent. Context of the type of event is provided. The terms are defined in IEEE Std 11073-10406. Accordingly, the following base concepts have been identified:

- **Event context**

A.11.4.1 Second set of differentiating criteria

The Second semantic link is based on the event context.

A.11.4.2 Semantic link "has event context: "

Applicable descriptors include the following:

- ECG event context

A.11.4.3 Code table

Systematic derivations of terms and codes for ECG event context are outlined in Table A.11.4.3.1.

Table A.11.4.3.1—Nomenclature and codes for PHD Disease Management, Basic ECG event context

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Disease Management ECG Event			ECG general context event	MDC_ECG_EVT_CTXT_GEN	128::21977
Disease Management ECG Event			ECG user-initiated context event	MDC_ECG_EVT_CTXT_USER	128::21978
Disease Management ECG Event			ECG general context event	MDC_ECG_EVT_CTXT_PERIO DIC	128::21979
Disease Management ECG Event			ECG detected context event	MDC_ECG_EVT_CTXT_DETEC TED	128::21980
Disease Management ECG Event			ECG external context event	MDC_ECG_EVT_CTXT_EXTER NAL	128::21981

A.11.5 Base concepts, SABTE sensors and settings

The target category is *device*, *SABTE*. The different devices applied within the scenarios forming the basis of the DIM have different functionality. The terms are defined in IEEE Std 11073-10424. Accordingly, the following base concepts have been identified:

- **Sensor** (devices [or the subsystems of more complex devices] that acquire and report data or an event.)

A.11.5.1 First set of differentiating criteria

The first semantic link is based on the concept performs (typically afferent functions, particularly measurement, but also efferent functions such as regulation). The devices are, therefore, classified into a number of possible categories based on the functionality they perform.

A.11.5.2 Semantic link "has measured property": "

Applicable descriptors include the following:

- SABTE measurement
- SABTE setting

A.11.5.3 Code table

Systematic derivations of terms and codes for SABTE sensors and settings are outlined in Table A.11.5.3.1.

Table A.11.5.3.1—Nomenclature and codes for PHD Disease Management, SABTE sensors and settings (multipage table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Duration Total FlowGeneration SABTE	Duration of flow generation		Time period where SABTE was powered on and was providing airflow	MDC_SABTE_TIME_PD_FLOW_GEN_TOTAL	128::22100
Duration Total Usage SABTE	Compliance		Total time period where SABTE was providing therapy to the patient during a usage session	MDC_SABTE_TIME_PD_USAG_E_TOTAL	128::22104
Duration WithHumidifier Usage SABTE	Compliance with attached humidifier		Time period where SABTE was providing therapy to the patient during a usage session with attached humidifier	MDC_SABTE_TIME_PD_USAG_E_W_HUM	128::22108
Duration WithoutHumidifier Usage SABTE	Compliance without attached humidifier		Time period where SABTE was providing therapy to the patient during a usage session without attached humidifier	MDC_SABTE_TIME_PD_USAG_E_WO_HUM	128::22112
Duration Total Snoring SABTE	Snoring duration		Time period where snoring occurs during a usage session	MDC_SABTE_TIME_PD_SNOIRING_TOTAL	128::22116
Duration Total CSR SABTE	Cheyne-Stokes respiration (CSR) duration	CSR duration	Time period where CSR occurs during a usage session	MDC_SABTE_TIME_PD_CSR_TOTAL	128::22120
Duration Setting Ramp SABTE	Ramp duration set		Setting of therapy pressure at the start of the sleep ramp	MDC_SABTE_TIME_PD_RAMP_SET	128::22136
Flow Total Gas SABTE	Total device airflow waveform		Sequence of total device airflow samples	MDC_SABTE_FLOW_TOTAL	128::22140
Flow WithoutPurgeFlow Gas SABTE	Device airflow without purge flow waveform		Sequence of device airflow samples without purge flow	MDC_SABTE_FLOW_WO_PURGE	128::22144

Table A-11.5.3.1—Nomenclature and codes for PHD Disease Management, SABTE sensors and settings (multipage table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Flow Respiration Gas SABTE	Respiration airflow waveform		Sequence of respiration airflow samples	MDC_SABTE_FLOW_RESP	128::22148
Index Ratio(Number, Duration) Apnoea, Hypopnoea SABTE	Apnoea hypopnoea index		Object containing compound apnoea hypopnoea indexes	MDC_SABTE_AHI	128::22180
Index Ratio(Number, Duration), Total Apnoea, Hypopnoea SABTE	Apnoea hypopnoea index	AHI	Total number of all apnoea and hypopnoea events occurring during a usage session divided by the hours of sleep	MDC_SABTE_AHI_TOTAL	128::22184
Index Ratio(Number, Duration) Apnoea, Hypopnoea, Unclassified SABTE	Unclassified apnoea hypopnoea index	uAHI	Total number of all unclassified apnoea and hypopnoea events occurring during a usage session divided by the hours of sleep	MDC_SABTE_AHI_UNCLASS	128::22188
Index Ratio(Number, Duration) Apnoea, Hypopnoea, Obstructive, Mixed SABTE	Obstructive apnoea hypopnoea index	oAHI	Total number of all mixed and obstructive events occurring during a usage session divided by the hours of sleep	MDC_SABTE_AHI_OBSTRUC	128::22192
Index Ratio (Number, Duration) Apnoea, Hypopnoea, Central SABTE	Central apnoea hypopnoea index	cAHI	Total number of all central apnoea and central hypopnoea events occurring during a usage session divided by the hours of sleep	MDC_SABTE_AHI_CENTRAL	128::22196
Level Stage, Setting Humidifier SABTE	Humidifier relative stage set		Setting of humidifier relative stage	MDC_SABTE_LVL_HUMID_STAGE_SET	128::22220
Level Temperature, Setting Humidifier SABTE	Humidifier relative air output temperature set		Setting of humidifier relative air output temperature	MDC_SABTE_LVL_HUMID_TEMP_SET	128::22224
Level Humidity, Setting Humidifier SABTE	Humidifier relative humidity set		Setting of humidifier relative humidity	MDC_SABTE_LVL_HUMID_HUMIDITY_SET	128::22228
Level TriggerSensitivity, Setting SABTE	Trigger sensitivity set		Setting of target inspiratory and expiratory trigger sensitivity	MDC_SABTE_LVL_TRIG_SENSETIVITY_SET	128::22232
Level InspirationPressureRise, Setting SABTE	Inspiration pressure rise set	P Rise	Setting of pressure rise during inspiration	MDC_SABTE_LVL_INSP_PRESSURE_RISE_SET	128::22236
Level Setting Adaption SABTE	Pressure adaption level set		Setting of pressure adaption during expiration and/or inspiration	MDC_SABTE_LVL_ADAPT_SETTING	128::22240

Table A-11.5.3.1—Nomenclature and codes for PHD Disease Management, SABTE sensors and settings (multiple table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Pressure Gas SABTE	Therapy pressure		Delivered therapy pressure	MDC_SABTE_PRESS	128::22336
Pressure Instantaneous Gas SABTE	Instantaneous therapy pressure	P	Instantaneous value of delivered therapy pressure	MDC_SABTE_PRESS_INSTANT	128::22336
Pressure Maximum Gas SABTE	Maximum therapy pressure	P max	Maximum delivered therapy pressure during a usage session	MDC_SABTE_PRESS_MAX	128::22337
Pressure Minimum Gas SABTE	Minimum therapy pressure	P min	Minimum delivered therapy pressure during a usage session	MDC_SABTE_PRESS_MIN	128::22338
Pressure Mean Gas SABTE	Mean therapy pressure	P mean	Mean delivered therapy pressure during a usage session	MDC_SABTE_PRESS_MEAN	128::22339
Pressure P50 Gas SABTE	50 th percentile of therapy pressure	P50	50 th percentile of delivered therapy pressure during a usage session	MDC_SABTE_PRESS_P50	128::22343
Pressure P90 Gas SABTE	90 th percentile of therapy pressure	P90	90 th percentile of delivered therapy pressure during a usage session	MDC_SABTE_PRESS_P90	128::22345
Pressure P95 Gas SABTE	95 th percentile of therapy pressure	P95	95 th percentile of delivered therapy pressure during a usage session	MDC_SABTE_PRESS_P95	128::22346
Pressure Target Gas SABTE	Target therapy pressure waveform		Target therapy pressure	MDC_SABTE_PRESS_TARGET	128::22352
Pressure CPAP, Setting SABTE	CPAP pressure set	P CPAP set	Setting of target therapy pressure in CPAP mode during a therapy session	MDC_SABTE_PRESS_CPAP_SET	128::22356
Pressure CPAP, Auto, Maximum, Setting SABTE	Auto-CPAP maximum pressure set	Pmax APAP set	Setting of maximum target therapy pressure in Auto-CPAP mode during a therapy session	MDC_SABTE_PRESS_CPAP_AUTO_MAX_SET	128::22360
Pressure CPAP, Auto, Minimum, Setting SABTE	Auto-CPAP minimum pressure set	Pmin APAP set	Setting of minimum target therapy pressure in Auto-CPAP mode during a therapy session	MDC_SABTE_PRESS_CPAP_AUTO_MIN_SET	128::22364
Pressure IPAP, Setting SABTE	IPAP pressure set	P IPAP set	Setting of target inspiration therapy pressure in BiLevel PAP mode during a breath cycle	MDC_SABTE_PRESS_IPAP_SET	128::22368
Pressure EPAP, Setting SABTE	EPAP pressure set	P EPAP set	Setting of target expiration therapy pressure in BiLevel PAP mode during a breath cycle	MDC_SABTE_PRESS_EPAP_SET	128::22372
Pressure Start, Setting Ramp SABTE	Ramp start pressure set		Setting of length of the sleep ramp	MDC_SABTE_PRESS_RAMP_START_SET	128::22376

Table A-11.5.3.1—Nomenclature and codes for PHD Disease Management, SABTE sensors and settings (multipage table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Rate Breath SABTE	Respiration rate	RR	Value of respiration rate	MDC_SABTE_RESP_RATE	128::22384
Rate Instantaneous Breath SABTE	Instantaneous respiration rate	RR	Instantaneous value of respiration rate	MDC_SABTE_RESP_RATE_IN STANT	128::22384
Rate Maximum Breath SABTE	Maximum respiration rate	RR max	Maximum respiration rate during a usage session	MDC_SABTE_RESP_RATE_M AX	128::22385
Rate Minimum Breath SABTE	Minimum respiration rate	RR min	Minimum respiration rate during a usage session	MDC_SABTE_RESP_RATE_M I N	128::22386
Rate Mean Breath SABTE	Mean respiration rate	RR mean	Mean respiration rate during a usage session	MDC_SABTE_RESP_RATE_M EAN	128::22387
Rate P50 Breath SABTE	50 th percentile of respiration rate		50 th percentile of respiration rate during a usage session	MDC_SABTE_RESP_RATE_P50	128::22391
Rate P90 Breath SABTE	90 th percentile of respiration rate		90 th percentile of respiration rate during a usage session	MDC_SABTE_RESP_RATE_P90	128::22393
Rate P95 Breath SABTE	95 th percentile of respiration rate		95 th percentile of respiration rate during a usage session	MDC_SABTE_RESP_RATE_P95	128::22394
Rate Setting Breath SABTE	Respiratory rate set	RR set	Setting of target breathing frequency in BiLevel PAP mode during a therapy session	MDC_SABTE_RESP_RATE_SE T	128::22480
Ratio Duration(InspirationPhase), Duration(ExpirationPhase) Gas SABTE	I:E ratio	TI/TE	Value of I:E ratio	MDC_SABTE_RATIO_IE	128::22400
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), Instantaneous Gas SABTE	Instantaneous I:E ratio	TI/TE	Instantaneous value of I:E ratio	MDC_SABTE_RATIO_IE_INST ANT	128::22400
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), Maximum Gas SABTE	Maximum I:E ratio	TI/TE max	Maximum I:E ratio during a usage session	MDC_SABTE_RATIO_IE_MAX	128::22401
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), Minimum Gas SABTE	Minimum I:E ratio	TI/TE min	Minimum I:E ratio during a usage session	MDC_SABTE_RATIO_IE_MIN	128::22402
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), Mean Gas SABTE	Mean I:E ratio	TI/TE mean	Mean I:E ratio during a usage session	MDC_SABTE_RATIO_IE_MEA N	128::22403
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), P50 Gas SABTE	50 th percentile of I:E ratio		50 th percentile of I:E ratio during a usage session	MDC_SABTE_RATIO_IE_P50	128::22407
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), P90 Gas SABTE	90 th percentile of I:E ratio		90 th percentile of I:E ratio during a usage session	MDC_SABTE_RATIO_IE_P90	128::22409

Table A-11: 5.3.1—Nomenclature and codes for PHD Disease Management, SABTE sensors and settings (multipage table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), P95 Gas SABTE	95 th percentile of I:E ratio		95 th percentile of I:E ratio during a usage session	MDC_SABTE_RATIO_IE_P95	128::22410
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), Setting Gas SABTE	I:E ratio set	TI/TE set	Setting of target ratio between duration of the inspiration to the duration of the expiration in Bi-level PAP mode during a breath cycle	MDC_SABTE_RATIO_IE_SET	128::22484
Volume Leakage SABTE	Leakage waveform		Value of leakage	MDC_SABTE_VOL_LEAK	128::22432
Volume Instantaneous Leakage SABTE	Instantaneous leakage		Instantaneous value of leakage	MDC_SABTE_VOL_LEAK_INSTANT	128::22432
Volume Maximum Leakage SABTE	Maximum leakage		Maximum leakage during a usage session	MDC_SABTE_VOL_LEAK_MAX	128::22433
Volume Minimum Leakage SABTE	Minimum leakage		Minimum leakage during a usage session	MDC_SABTE_VOL_LEAK_MIN	128::22434
Volume Mean Leakage SABTE	Mean leakage		Mean leakage during a usage session	MDC_SABTE_VOL_LEAK_MEAN	128::22435
Volume P50 Leakage SABTE	50 th percentile of leakage		50 th percentile of leakage during a usage session	MDC_SABTE_VOL_LEAK_P50	128::22439
Volume P90 Leakage SABTE	90 th percentile of leakage		90 th percentile of leakage during a usage session	MDC_SABTE_VOL_LEAK_P90	128::22441
Volume P95 Leakage SABTE	95 th percentile of leakage		95 th percentile of leakage during a usage session	MDC_SABTE_VOL_LEAK_P95	128::22442
Volume OneMinute, Instantaneous Gas SABTE	Instantaneous respiration minute volume	RMV	Value of respiratory minute volume	MDC_SABTE_VOL_MINUTE	128::22448
Volume OneMinute, Instantaneous Gas SABTE	Instantaneous respiration minute volume	RMV	Instantaneous value of respiratory minute volume	MDC_SABTE_VOL_MINUTE_INSTANT	128::22448
Volume OneMinute, Maximum Gas SABTE	Maximum respiration minute volume	RMV max	Maximum respiratory minute volume during a usage session	MDC_SABTE_VOL_MINUTE_MAX	128::22449
Volume OneMinute, Minimum Gas SABTE	Minimum respiration minute volume	RMV min	Minimum respiratory minute volume during a usage session	MDC_SABTE_VOL_MINUTE_MIN	128::22450
Volume OneMinute, Mean Gas SABTE	Mean respiration minute volume	RMV mean	Mean respiratory minute volume during a usage session	MDC_SABTE_VOL_MINUTE_MEAN	128::22451

Table A-11.5.3.1—Nomenclature and codes for PHD Disease Management, SABTE sensors and settings (multiple table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Volume OneMinute, P50 Gas SABTE	50 th percentile of respiration minute volume		50 th percentile of respiratory minute volume during a usage session	MDC_SABTE_VOL_MINUTE_P50	128::22455
Volume OneMinute, P90 Gas SABTE	90 th percentile of respiration minute volume		90 th percentile of respiratory minute volume during a usage session	MDC_SABTE_VOL_MINUTE_P90	128::22457
Volume OneMinute, P95 Gas SABTE	95 th percentile of respiration minute volume		95 th percentile of respiratory minute volume during a usage session	MDC_SABTE_VOL_MINUTE_P95	128::22458
Volume Lung, Tidal SABTE	respiration tidal volume	VT	Value of respiratory tidal volume	MDC_SABTE_VOL_TIDAL	128::22464
Volume Instantaneous Lung, Tidal SABTE	Instantaneous respiration tidal volume	VT	Instantaneous value of respiratory tidal volume	MDC_SABTE_VOL_TIDAL_INS_TANT	128::22464
Volume Maximum Lung, Tidal SABTE	Maximum respiration tidal volume	VT max	Maximum respiratory tidal volume during a usage session	MDC_SABTE_VOL_TIDAL_MAX	128::22465
Volume Minimum Lung, Tidal SABTE	Minimum respiration tidal volume	VT min	Minimum respiratory tidal volume during a usage session	MDC_SABTE_VOL_TIDAL_MIN	128::22466
Volume Mean Lung, Tidal SABTE	Mean respiration tidal volume	VT mean	Mean respiratory tidal volume during a usage session	MDC_SABTE_VOL_TIDAL_MEAN	128::22467
Volume P50 Lung, Tidal SABTE	50 th percentile of respiration tidal volume		50 th percentile of respiratory tidal volume during a usage session	MDC_SABTE_VOL_TIDAL_P50	128::22471
Volume P90 Lung, Tidal SABTE	90 th percentile of respiration tidal volume		90 th percentile of respiratory tidal volume during a usage session	MDC_SABTE_VOL_TIDAL_P90	128::22473
Volume P95 Lung, Tidal SABTE	95 th percentile of respiration tidal volume		95 th percentile of respiratory tidal volume during a usage session	MDC_SABTE_VOL_TIDAL_P95	128::22474

A.11.5.4 Withdrawn terms

Certain terms are withdrawn for SABTE sensors and settings. These terms are given in Table A.11.5.4.1.

Table A.11.5.4.1—Withdrawn terms for PHD Disease Management, SABTE sensors and settings (multipage table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Pressure Gas SABTE	Therapy pressure waveform		Use MDC_SABTE_PRESS 128::22336	MDC_SABTE_PRESS	128::22340
Pressure Minimum Gas SABTE	Minimum therapy pressure	P min	Use MDC_SABTE_PRESS_MIN 128::22338	MDC_SABTE_PRESS_MIN	128::22341
Pressure Maximum Gas SABTE	Maximum therapy pressure	P max	Use MDC_SABTE_PRESS_MAX 128::22337	MDC_SABTE_PRESS_MAX	128::22342
Pressure Mean Gas SABTE	Mean therapy pressure	P mean	Use MDC_SABTE_PRESS_MEAN 128::22339	MDC_SABTE_PRESS_MEAN	128::22343
Pressure P50 Gas SABTE	50 th percentile of therapy pressure	P50	Use MDC_SABTE_PRESS_P50 128::22343	MDC_SABTE_PRESS_P50	128::22347
Pressure P90 Gas SABTE	90 th percentile of therapy pressure	P90	Use MDC_SABTE_PRESS_P90 128::22345	MDC_SABTE_PRESS_P90	128::22349
Pressure P95 Gas SABTE	95 th percentile of therapy pressure	P95	Use MDC_SABTE_PRESS_P95 128::22346	MDC_SABTE_PRESS_P95	128::22350
Pressure Instantaneous Gas SABTE	Instantaneous therapy pressure	P	Use MDC_SABTE_PRESS 128::22336	MDC_SABTE_PRESS_INSTANT	128::22351
Pressure Target Gas SABTE	Target therapy pressure waveform		Use MDC_SABTE_PRESS_TARGET 128::22352	MDC_SABTE_PRESS_TARGET	128::22360
Rate Minimum Breath SABTE	Minimum respiration rate	RR min	Use MDC_SABTE_RESP_RATE_MIN 128::22386	MDC_SABTE_RESP_RATE_MIN	128::22401
Rate Maximum Breath SABTE	Maximum respiration rate	RR max	Use MDC_SABTE_RESP_RATE_MAX 128::22385	MDC_SABTE_RESP_RATE_MAX	128::22402
Rate Mean Breath SABTE	Mean respiration rate	RR mean	Use MDC_SABTE_RESP_RATE_MEAN 128::22387	MDC_SABTE_RESP_RATE_MEAN	128::22403

Table A.11.5.4.1—Withdrawn terms for PHD Disease Management, SABTE sensors and settings (multipage table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Rate P50 Breath SABTE	50 th percentile of respiration rate		Use MDC_SABTE_RESP_RATE_P50 128::22391	MDC_SABTE_RESP_RATE_P50	128::22407
Rate P90 Breath SABTE	90 th percentile of respiration rate		Use MDC_SABTE_RESP_RATE_P90 128::22393	MDC_SABTE_RESP_RATE_P90	128::22409
Rate P95 Breath SABTE	95 th percentile of respiration rate		MDC_SABTE_RESP_RATE_P95 128::22394	MDC_SABTE_RESP_RATE_P95	128::22410
Rate Instantaneous Breath SABTE	Instantaneous respiration rate	RR	Use MDC_SABTE_RESP_RATE 128::22384	MDC_SABTE_RESP_RATE_INSTANT	128::22411
Rate Setting Breath SABTE	Respiratory rate set	RR set	Use MDC_SABTE_RESP_RATE_SET 128::22480	MDC_SABTE_RESP_RATE_SET	128::22436
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), Minimum Gas SABTE	Minimum I:E ratio	TI/TE min	Use MDC_SABTE_RATIO_IE_MIN 128::22402	MDC_SABTE_RATIO_IE_MIN	128::22441
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), Maximum Gas SABTE	Maximum I:E ratio	TI/TE max	Use MDC_SABTE_RATIO_IE_MAX 128::22401	MDC_SABTE_RATIO_IE_MAX	128::22442
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), Mean Gas SABTE	Mean I:E ratio	TI/TE mean	Use MDC_SABTE_RATIO_IE_MEAN 128::22403	MDC_SABTE_RATIO_IE_MEAN	128::22443
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), P50 Gas SABTE	50 th percentile of I:E ratio		Use MDC_SABTE_RATIO_IE_P50 128::22407	MDC_SABTE_RATIO_IE_P50	128::22447
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), P90 Gas SABTE	90 th percentile of I:E ratio		Use MDC_SABTE_RATIO_IE_P90 128::22409	MDC_SABTE_RATIO_IE_P90	128::22449
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), P95 Gas SABTE	95 th percentile of I:E ratio		Use MDC_SABTE_RATIO_IE_P95 128::22410	MDC_SABTE_RATIO_IE_P95	128::22450
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), Instantaneous Gas SABTE	Instantaneous I:E ratio	TI/TE	Use MDC_SABTE_RATIO_IE 128::22400	MDC_SABTE_RATIO_IE_INSTANT	128::22451

Table A.11.5.4.1—Withdrawn terms for PHD Disease Management, SABTE sensors and settings (multipage table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Ratio Duration(InspirationPhase), Duration(ExpirationPhase), Setting Gas SABTE	I:E ratio set	T/I/E set	Use MDC_SABTE_RATIO_IE_SET 128::22484	MDC_SABTE_RATIO_IE_SET	128::22476
Volume Leakage SABTE	Leakage waveform		Use MDC_SABTE_VOL_LEAK 128::22432	MDC_SABTE_VOL_LEAK	128::22480
Volume Minimum Leakage SABTE	Minimum leakage		Use MDC_SABTE_VOL_LEAK_MIN 128::22434	MDC_SABTE_VOL_LEAK_MIN	128::22481
Volume Maximum Leakage SABTE	Maximum leakage		Use MDC_SABTE_VOL_LEAK_MAX 128::22433	MDC_SABTE_VOL_LEAK_MAX	128::22482
Volume Mean Leakage SABTE	Mean leakage		MDC_SABTE_VOL_LEAK_MEAN 128::22435	MDC_SABTE_VOL_LEAK_MEAN	128::22483
Volume P50 Leakage SABTE	50 th percentile of leakage		Use MDC_SABTE_VOL_LEAK_P50 128::22439	MDC_SABTE_VOL_LEAK_P50	128::22487
Volume P90 Leakage SABTE	90 th percentile of leakage		Use MDC_SABTE_VOL_LEAK_P90 128::22441	MDC_SABTE_VOL_LEAK_P90	128::22489
Volume P95 Leakage SABTE	95 th percentile of leakage		Use MDC_SABTE_VOL_LEAK_P95 128::22442	MDC_SABTE_VOL_LEAK_P95	128::22490
Volume Instantaneous Leakage SABTE	Instantaneous leakage		Use MDC_SABTE_VOL_LEAK 128::22432	MDC_SABTE_VOL_LEAK_INSTAN T	128::22491
Volume OneMinute, Minimum Gas SABTE	Minimum respir. minute volume	RMV min	Use MDC_SABTE_VOL_MINUTE_MIN 128::22450	MDC_SABTE_VOL_MINUTE_MIN	128::22521
Volume OneMinute, Maximum Gas SABTE	Maximum respir. minute volume	RMV max	Use MDC_SABTE_VOL_MINUTE_MAX 128::22449	MDC_SABTE_VOL_MINUTE_MAX	128::22522
Volume OneMinute, Mean Gas SABTE	Mean respir. minute volume	RMV mean	Use MDC_SABTE_VOL_MINUTE_MEAN N 128::22451	MDC_SABTE_VOL_MINUTE_MEAN	128::22523
Volume OneMinute, P50 Gas SABTE	50 th percentile of respir. minute volume		Use MDC_SABTE_VOL_MINUTE_P50 128::22455	MDC_SABTE_VOL_MINUTE_P50	128::22527
Volume OneMinute, P90 Gas SABTE	90 th percentile of respir. minute volume		Use MDC_SABTE_VOL_MINUTE_P90 128::22457	MDC_SABTE_VOL_MINUTE_P90	128::22529

Table A.11.5.4.1—Withdrawn terms for PHD Disease Management, SABTE sensors and settings (multipage table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Volume OneMinute, P95 Gas SABTE	95 th percentile of respir. minute volume		Use MDC_SABTE_VOL_MINUTE_P95 128::22458	MDC_SABTE_VOL_MINUTE_P95	128::22530
Volume OneMinute, Instantaneous Gas SABTE	Instantaneous respir. minute volume	RMV	Use MDC_SABTE_VOL_MINUTE 128::22448	MDC_SABTE_VOL_MINUTE_INSTANT	128::22531
Volume Minimum Lung, Tidal SABTE	Minimum respir. tidal volume	VT min	Use MDC_SABTE_VOL_TIDAL_MIN 128::22466	MDC_SABTE_VOL_TIDAL_MIN	128::22561
Volume Maximum Lung, Tidal SABTE	Maximum respir. tidal volume	VT max	Use MDC_SABTE_VOL_TIDAL_MAX 128::22465	MDC_SABTE_VOL_TIDAL_MAX	128::22562
Volume Mean Lung, Tidal SABTE	Mean respir. tidal volume	VT mean	Use MDC_SABTE_VOL_TIDAL_MEAN 128::22467	MDC_SABTE_VOL_TIDAL_MEAN	128::22563
Volume P50 Lung, Tidal SABTE	50 th percentile of respir. tidal volume		Use MDC_SABTE_VOL_TIDAL_P50 128::22471	MDC_SABTE_VOL_TIDAL_P50	128::22567
Volume P90 Lung, Tidal SABTE	90 th percentile of respir. tidal volume		Use MDC_SABTE_VOL_TIDAL_P90 128::22473	MDC_SABTE_VOL_TIDAL_P90	128::22569
Volume P95 Lung, Tidal SABTE	95 th percentile of respir. tidal volume		Use MDC_SABTE_VOL_TIDAL_P95 128::22474	MDC_SABTE_VOL_TIDAL_P95	128::22570
Volume Instantaneous Lung, Tidal SABTE	Instantaneous respir. tidal volume	VT	Use MDC_SABTE_VOL_TIDAL 128::22464	MDC_SABTE_VOL_TIDAL_INSTANT	128::22571

A.11.6 Base concepts, SABTE modes

The target category is *device, modes, SABTE*. This includes modes. Accordingly, the following base concepts have been identified:

- Modes

A.11.6.1 Second set of differentiating criteria

The second semantic link is based on the mode of the device. The terms are defined in IEEE Std 11073-10424.

A.11.6.2 Semantic link "has mode: "

Applicable descriptors include the following:

- SABTE mode settings

A.11.6.3 Code table

Systematic derivations of terms and codes for SABTE mode settings are outlined in Table A.11.6.3.1.

Table A.11.6.3.1—Nomenclature and codes for PHD Disease Management, SABTE mode settings (multipage table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Mode Freeze, Setting Adaption SABTE	Pressure adaption freeze set		Setting of pressure adaption freeze feature.	MDC_SABTE_MODE_ADAPT_FREEZE_SET	128::22260
Mode Freeze, Off Adaption SABTE	Pressure adaption freeze disabled		Disabled option of pressure adaption freeze.	MDC_SABTE_MODE_ADAPT_FREEZE_OFF	128::22261
Mode Freeze, On Adaption SABTE	Pressure adaption freeze enabled		Enabled option of pressure adaption freeze.	MDC_SABTE_MODE_ADAPT_FREEZE_ON	128::22262
Mode Setting Autostart-/stop SABTE	Autostart-/stop set		Setting of autostart and autostop feature.	MDC_SABTE_MODE_AUTOSTARTSTOP_SET	128::22264
Mode Setting Device SABTE	Device mode set		Setting of SABTE device state.	MDC_SABTE_MODE_DEV_SET	128::22268
Mode Undetermined Device SABTE	Device mode undetermined		Undetermined mode	MDC_SABTE_MODE_DEV_UNDETERMINED	128::22269
Mode Standby Device SABTE	Device mode standby		Standby mode	MDC_SABTE_MODE_DEV_STANDBY	128::22270

Table A.11.6.3.1—Nomenclature and codes for PHD Disease Management, SABTE mode settings (multiple table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Mode Therapy Device SABTE	Device mode therapy		Therapy mode	MDC_SABTE_MODE_DEV_THE_RAPY	128::22271
Mode Mask Fitting Device SABTE	Device mode mask fitting		Mask fitting mode	MDC_SABTE_MODE_DEV_MA_SK_FITTING	128::22272
Mode Drying Device SABTE	Device mode drying		Drying mode	MDC_SABTE_MODE_DEV_DR_YING	128::22273
Mode Exporting Device SABTE	Device mode exporting		Exporting mode	MDC_SABTE_MODE_DEV_EXP_ORTING	128::22274
Mode Setting Therapy SABTE	Therapy mode set		Setting of SABTE therapy state.	MDC_SABTE_MODE_THERAP_Y_SET	128::22280
Mode Undetermined Therapy SABTE	Therapy mode undetermined		Therapy undetermined mode	MDC_SABTE_MODE_THERAP_Y_UNDETERMINED	128::22281
Mode CPAP Therapy SABTE	Therapy mode CPAP		CPAP therapy mode	MDC_SABTE_MODE_THERAP_Y_CPAP	128::22282
Mode CPAP, Auto Therapy SABTE	Therapy mode Auto-CPAP		Auto-CPAP therapy mode	MDC_SABTE_MODE_THERAP_Y_CPAP_AUTO	128::22283
Mode BPAP, S Therapy SABTE	Therapy mode BPAP S		BiLevel PAP S therapy mode	MDC_SABTE_MODE_THERAP_Y_BPAP_S	128::22284
Mode BPAP, T Therapy SABTE	Therapy mode BPAP T		BiLevel PAP T therapy mode	MDC_SABTE_MODE_THERAP_Y_BPAP_T	128::22285
Mode BPAP, ST Therapy SABTE	Therapy mode BPAP ST		BiLevel PAP ST therapy mode	MDC_SABTE_MODE_THERAP_Y_BPAP_ST	128::22286
Mode BPAP, S, Auto Therapy SABTE	Therapy mode Auto-BPAP S		Auto-BiLevel PAP S therapy mode	MDC_SABTE_MODE_THERAP_Y_BPAP_S_AUTO	128::22287
Mode BPAP, T, Auto Therapy SABTE	Therapy mode Auto-BPAP T		Auto-BiLevel PAP T therapy mode	MDC_SABTE_MODE_THERAP_Y_BPAP_T_AUTO	128::22288
Mode BPAP, ST, Auto Therapy SABTE	Therapy mode Auto-BPAP ST		Auto-BiLevel PAP ST therapy mode	MDC_SABTE_MODE_THERAP_Y_BPAP_ST_AUTO	128::22289
Mode AcSV Therapy SABTE	Therapy mode AcSV		AcSV therapy mode	MDC_SABTE_MODE_THERAP_Y_ACSV	128::22290
Pattern Classification Compliance SABTE	Compliance annotations		Compliance annotations of usage sessions.	MDC_SABTE_PATT_COMPLIA_NCE_CLS	128::22300
Pattern Classification Efficacy SABTE	Efficacy annotations		Efficacy annotations of therapy sessions.	MDC_SABTE_PATT_EFFICACY_CLS	128::22308

A.11.7 Base concepts, Glucose Monitoring, carbohydrate source

The target category is *device*, *Glucose Monitoring*. The terms are defined in IEEE Std 11073-10417. Accordingly, the following base concepts have been identified:

- Carbohydrate source

A.11.7.1 First set of differentiating criteria

The first semantic link indicates the source of carbohydrate.

A.11.7.2 Semantic link "has source of carbohydrate: "

Applicable descriptors include the following:

- Glucose Monitoring carbohydrate source

A.11.7.3 Code table

Systematic derivations of terms and codes for carbohydrate sources are outlined in Table A.11.7.3.1.

Table A.11.7.3.1—Nomenclature and codes for PHD Disease Management, Glucose carbohydrate source

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Status Glucose meter	Glucose meter status		Glucose meter status	MDC_GLU_METER_DEV_STAT US	128:29144
Exercise Context			Exercise context	MDC_CTXT_GLU_EXERCISE	128:29152

A.11.8 Base concepts, Glucose Monitoring, carbohydrate source

The target category is *device*, *Glucose Monitoring*. The terms are defined in IEEE Std 11073-10417. Accordingly, the following base concepts have been identified:

- Carbohydrate source

A.11.8.1 First set of differentiating criteria

The first semantic link indicates the source of carbohydrate.

A.11.8.2 Semantic link "has source of carbohydrate: "

Applicable descriptors include the following:

- Glucose Monitoring carbohydrate source

A.11.8.3 Code table

Systematic derivations of terms and codes for carbohydrate sources are outlined in Table A.11.8.3.1.

Table A.11.8.3.1—Nomenclature and codes for PHD Disease Management, Glucose carbohydrate source

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Ingestion Carbohydrate Source	Source of carbohydrate			MDC_CTXT_GLU_CARB	128::29156

A.11.9 Base concepts, Glucose Monitoring, carbohydrate sources

The target category is *device*, *Glucose Monitoring*. The terms are defined in IEEE Std 11073-10417. Accordingly, the following base concepts have been identified:

- Carbohydrate sources

A.11.9.1 Second set of differentiating criteria

The second semantic link indicates the position of a measurement.

A.11.9.2 Semantic link "is carbohydrate source."

Applicable descriptors include the following:

- **Glucose Monitoring carbohydrate source**

A.11.9.3 Code table

Systematic derivations of terms and codes for carbohydrate sources are outlined in Table A.11.9.3.1.

Table A.11.9.3.1—Nomenclature and codes for PHD Disease Management, Glucose moncarbohydrate sources

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Ingestion Carbohydrate Source Undertermined	Undertermined source of carbohydrate			MDC_CTXT_GLU_CARB_UNDETERMINED	128::29157
Ingestion Carbohydrate Source Other	Other source of carbohydrate			MDC_CTXT_GLU_CARB_OTHER	128::29158
Ingestion Carbohydrate Source No entry	Intended carbohydrate not eaten			MDC_CTXT_GLU_CARB_NO_ENTRY	128::29159
Ingestion Carbohydrate Source Breakfast	Breakfast			MDC_CTXT_GLU_CARB_BREAKFAST	128::29160
Ingestion Carbohydrate Source No Ingestion	Carbohydrate not ingested			MDC_CTXT_GLU_CARB_NO_INGESTION	128::29161
Ingestion Carbohydrate Source Lunch	Lunch			MDC_CTXT_GLU_CARB_LUNCH	128::29164
Ingestion Carbohydrate Source Dinner	Dinner			MDC_CTXT_GLU_CARB_DINNER	128::29168
Ingestion Carbohydrate Source Snack	Snack			MDC_CTXT_GLU_CARB_SNACK	128::29172
Ingestion Carbohydrate Source Drink	Drink			MDC_CTXT_GLU_CARB_DRINK	128::29176
Ingestion Carbohydrate Source Supper	Supper			MDC_CTXT_GLU_CARB_SUPPER	128::29180
Ingestion Carbohydrate Source Brunch	Brunch			MDC_CTXT_GLU_CARB_BRUNCH	128::29184

A.11.10 Base concepts, Glucose Monitoring, insulin type

The target category is *Glucose Monitoring, insulin type*. The terms are defined in IEEE Std 11073-10417. Accordingly, the following base concepts have been identified:

— Insulin type

A.11.10.1 First set of differentiating criteria

The first semantic link has the measurement property of insulin type.

A.11.10.2 Semantic link "has measurement property of insulin type: "

Applicable descriptors include the following:

— Insulin type

A.11.10.3 Code table

Systematic derivations of terms and codes for insulin type are outlined in Table A.11.10.3.1.

Table A.11.10.3.1—Nomenclature and codes for PHD Disease Management, Glucose Monitoring, insulin type

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Medication Insulin Type	Insulin type			MDC_CTXT_MEDICATION	128::29188

A.11.11 Base concepts, Glucose Monitoring, insulin types

The target category is *Glucose Monitoring, insulin types*. The terms are defined in IEEE Std 11073-10417. Accordingly, the following base concepts have been identified:

— Insulin types

A.11.11.1 Second set of differentiating criteria

The second semantic link indicates the type of insulin.

A.11.11.2 Semantic link "is insulin type: "

Applicable descriptors include the following:

— Insulin type

A.11.11.3 Code table

Systematic derivations of terms and codes for insulin types are outlined in Table A.11.11.3.1.

Table A.11.11.3.1—Nomenclature and codes for PHD Disease Management, insulin types

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Medication Insulin Type Rapid acting	Insulin type, Rapid acting			MDC_CTXT_MEDICATION_RAP IDACTING	128::29192
Medication Insulin Type Short acting	Insulin type, Short acting			MDC_CTXT_MEDICATION_SH ORTACTING	128::29196
Medication Insulin Type Intermediate acting	Insulin type, Intermediate acting			MDC_CTXT_MEDICATION_INT ERMEDIATEACTING	128::29200
Medication Insulin Type Long acting	Insulin type, Long acting			MDC_CTXT_MEDICATION_LON GACTING	128::29204
Medication Insulin Type Premix	Insulin type, Premix			MDC_CTXT_MEDICATION_PRE MIX	128::29208

A.11.12 Base concepts, Glucose Monitoring, general health

The target category is *general health*, *Glucose Monitoring*. The terms are defined in IEEE Std 11073-10417. Accordingly, the following base concepts have been identified:

— General health

A.11.12.1 First set of differentiating criteria

The first semantic link has the measurement property of general health.

A.11.12.2 Semantic link "*has measurement property of general health*:"

Applicable descriptors include the following:

— General health

A.11.12.3 Code table

Systematic derivations of terms and codes for general health are outlined in Table A.11.12.3.1.

Table A.11.12.3.1—Nomenclature and codes for PHD Disease Management, general health

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Health, general	General health			MDC_CTXT_GLU_HEALTH	128::29212

A.11.13 Base concepts, Glucose Monitoring, general health

The target category is *general health, Glucose Monitoring*. The terms are defined in IEEE Std 11073-10417. Accordingly, the following base concepts have been identified:

— General health

A.11.13.1 Second set of differentiating criteria

The second semantic link indicates the general health.

A.11.13.2 Semantic link "is general health: "

Applicable descriptors include the following:

— General health

A.11.13.3 Code table

Systematic derivations of terms and codes for general health are outlined in Table A.11.13.3.1.

Table A.11.13.3.1—Nomenclature and codes for PHD Disease Management, general health

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Health, general Minor	Minor health issue			MDC_CTXT_GLU_HEALTH_MI NOR	128::29216
Health, general Major	Major health issue			MDC_CTXT_GLU_HEALTH_MA JOR	128::29220
Health, general Menses	Menses health issue			MDC_CTXT_GLU_HEALTH_ME NSES	128::29224
Health, general Sress	Stress health issue			MDC_CTXT_GLU_HEALTH_ST RESS	128::29228
Health, general None	No health issue			MDC_CTXT_GLU_HEALTH_NO NE	128::29232

A.11.14 Base concepts, Glucose Monitoring, sample location

The target category is *Glucose Monitoring, sample location*. The terms are defined in IEEE Std 11073-10417. Accordingly, the following base concepts have been identified:

- **Glucose monitoring sample location**

A.11.14.1 First set of differentiating criteria

The first semantic link has the measurement property of sample location.

A.11.14.2 Semantic link "has measurement property": "

Applicable descriptors include the following:

- **Glucose Monitoring sample location**

A.11.14.3 Code table

Systematic derivations of terms and codes for glucose measurement sample location are outlined in Table A.11.14.3.1.

Table A.11.14.3.1—Nomenclature and codes for PHD Disease Management, Glucose Monitoring, sample location

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Glucose Location	Location			MDC_CTXT_GLU_SAMPLELOCATION	128::29236

A.11.15 Base concepts, Glucose Monitoring, sample locations

The target category is *Glucose Monitoring, sample locations*. The terms are defined in IEEE Std 11073-10417. Accordingly, the following base concepts have been identified:

- **Sample locations**

A.11.15.1 Second set of differentiating criteria

The second semantic link indicates the location of a measurement sample.

A.11.15.2 Semantic link "has sample location": "

Applicable descriptors include the following:

- **Glucose Monitoring sample location**

A.11.15.3 Code table

Systematic derivations of terms and codes for glucose measurement sample locations are outlined in Table A.11.15.3.1.

Table A.11.15.3.1—Nomenclature and codes for PHD Disease Management, Glucose Monitoring, sample locations

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Glucose Location Undetermined			Glucose measurement context indicating sample location is undetermined	MDC_CTXT_GLU_SAMPLELOCATION_UNDETERMINED	128::29237
Glucose Location Other			Glucose measurement context indicating sample location is other (does not match an available option)	MDC_CTXT_GLU_SAMPLELOCATION_OTHER	128::29238
Glucose Location Finger			Glucose measurement context indicating sample location is finger	MDC_CTXT_GLU_SAMPLELOCATION_FINGER	128::29240
Glucose Location Subcutaneous			Glucose measurement context indicating sample location is subcutaneous	MDC_CTXT_GLU_SAMPLELOCATION_SUBCUTANEOUS	128::29241
Glucose Location Alternative site			Glucose measurement context indicating sample location is an alternative site	MDC_CTXT_GLU_SAMPLELOCATION_AST	128::29244
Glucose Location Earlobe			Glucose measurement context indicating sample location is earlobe	MDC_CTXT_GLU_SAMPLELOCATION_EARLOBE	128::29248
Glucose Location Control solution			Glucose measurement context indicating sample location is from control solution	MDC_CTXT_GLU_SAMPLELOCATION_CTRLsolution	128::29252

A.11.16 Base concepts, Glucose Monitoring, meal

The target category is *Glucose Monitoring, meal*. The terms are defined in IEEE Std 11073-10417. Accordingly, the following base concepts have been identified:

— Meal

A.11.16.1 First set of differentiating criteria

The first semantic link has the measurement property of meal.

A.11.16.2 Semantic link "*has measurement property*:"

Applicable descriptors include the following:

— Meal

A.11.16.3 Code table

Systematic derivations of terms and codes for meal are outlined in Table A.11.16.3.1.

Table A.11.16.3.1—Nomenclature and codes for PHD Disease Management, Glucose Monitoring, meal

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Meal	Meal			MDC_CTXT_GLU_MEAL	128::29256

A.11.17 Base concepts, Glucose Monitoring, meal type

The target category is *Glucose Monitoring, meal type*. These terms are used to indicate when a glucose measurement has been taken. The terms are defined in IEEE Std 11073-10417. Accordingly, the following base concepts have been identified:

— Meal type

A.11.17.1 Second set of differentiating criteria

The second semantic link indicates the type of meal.

A.11.17.2 Semantic link "is meal type: "

Applicable descriptors include the following:

— Meal type

A.11.17.3 Code table

Systematic derivations of terms and codes for meal types are outlined in Table A.11.17.3.1.

Table A.11.17.3.1—Nomenclature and codes for PHD Disease Management, Glucose Monitoring, meal types

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Meal Pre-prandial	Pre-prandial meal			MDC_CTXT_GLU_MEAL_PREP RANDIAL	128::29260
Meal Bedtime	Bedtime meal			MDC_CTXT_GLU_MEAL_BEDTI ME	128::29261
Meal Post-prandial	Post-prandial meal			MDC_CTXT_GLU_MEAL_POST PRANDIAL	128::29264
Meal Fasting	Fasting			MDC_CTXT_GLU_MEAL_FASTI NG	128::29268
Meal Casual	Casual meal			MDC_CTXT_GLU_MEAL_CASU AL	128::29272

A.11.18 Base concepts, Glucose Monitoring, tester

The target category is *Glucose Monitoring, tester*. The terms are defined in IEEE Std 11073-10417. Accordingly, the following base concepts have been identified:

— Tester

A.11.18.1 First set of differentiating criteria

The first semantic link has the measurement property of tester.

A.11.18.2 Semantic link "has measurement property": "

Applicable descriptors include the following:

— Tester

A.11.18.3 Code table

Systematic derivations of terms and codes for tester are outlined in Table A.11.18.3.1.

Table A.11.18.3.1—Nomenclature and codes for PHD Disease Management, Glucose Monitoring, tester

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Tester	Tester		Identity of the person taking a measurement	MDC_CTXT_GLU_TESTER	128::29276

A.11.19 Base concepts, Glucose Monitoring, tester type

The target category is *Glucose Monitoring, tester type*. These terms are used to indicate the person who as taken the glucose measurement. The terms are defined in IEEE Std 11073-10417. Accordingly, the following base concepts have been identified:

— Tester type

A.11.19.1 Second set of differentiating criteria

The second semantic link indicates the type of tester.

A.11.19.2 Semantic link "is tester type:"

Applicable descriptors include the following:

— Tester type

A.11.19.3 Code table

Systematic derivations of terms and codes for tester types are outlined in Table A.11.19.3.1.

Table A.11.19.3.1—Nomenclature and codes for PHD Disease Management, Glucose Monitoring, tester types

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Tester Self	Self test		Measurement made by the person	MDC_CTXT_GLU_TESTER_SE LF	128::29280
Tester Health Care Professional	HCP measurement		Measurement made by health care professional	MDC_CTXT_GLU_TESTER_HC P	128::29284
Tester Lab	Laboratory measurement		Measurement made by a lab	MDC_CTXT_GLU_TESTER_LA B	128::29288

A.11.20 INR Status and Context

The target category is *device, INR Monitoring*. The different devices applied within the scenarios forming the basis of the DIM have different functionality. The terms are defined in IEEE Std 11073-10418. Accordingly, the following base concepts have been identified:

— Context

A.11.20.1 First set of differentiating criteria

The first semantic link is based on the context.

A.11.20.2 Semantic link "*has measured property*:"

Applicable descriptors include the following:

— INR Context

A.11.20.3 Code table

Systematic derivations of terms and codes for INR status and context are outlined in Table A.11.20.3.1.

Table A.11.20.3.1—Nomenclature and codes for PHD Disease Management, INR status and context

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Batch code Coagulation Plasma Blood Chemistry			INR Batch code	MDC_BATCHCODE_COAG	128::29300
Status value Functional Status Device			Device status	MDC_INR_METER_DEV_STAT_US	128::29301
Target level Coagulation Plasma Blood Chemistry			INR target level	MDC_TARGET_LEVEL_COAG	128::29304
Current medication Coagulation Plasma Blood Chemistry			INR current medication	MDC_MED_CURRENT_COAG	128::29308
New medication Coagulation Plasma Blood Chemistry			INR new medication	MDC_MED_NEW_COAG	128::29312
Test context Coagulation Blood Chemistry			Tester	MDC_CTXT_INR_TESTER	128::29316
Self Test context Coagulation Blood Chemistry			Self test	MDC_CTXT_INR_TESTER_SE_LF	128::29317
Health Care Professional Test context Coagulation Blood Chemistry			Health care professional tester	MDC_CTXT_INR_TESTER_HC_P	128::29318
Laboratory Test context Coagulation Blood Chemistry			Laboratory based test	MDC_CTXT_INR_TESTER_LA_B	128::29319

A.11.21 Base concepts, Continuous Glucose Monitoring

The target category is *device*, *Continuous Glucose Monitoring*. The different devices applied within the scenarios forming the basis of the DIM have different functionality. The terms are defined in IEEE Std 11073-10425. Accordingly, the following base concepts have been identified:

- **Sensor** (devices [or the subsystems of more complex devices] that acquire and report data or an event.)

A.11.21.1 First set of differentiating criteria

The first semantic link is based on the concept performs (typically afferent functions, particularly measurement, but also efferent functions such as regulation). The devices are, therefore, classified into a number of possible categories based on the functionality they perform.

A.11.21.2 Semantic link "has measured property": "

Applicable descriptors include the following:

- **Continuous Glucose Monitoring measurement**

A.11.21.3 Code table

Systematic derivations of terms and codes for CGM sensors are outlined in Table A.11.21.3.1.

Table A.11.21.3.1—Nomenclature and codes for PHD Disease Management, CGM sensors (*multipage table*)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Glucose Concentration Trend	Glucose trend		Object containing the glucose concentration trend.	MDC_CONC_GLU_TREND	128::29400
Glucose Concentration Thresholds Patient Low High	Patient's low and high glucose thresholds		Object containing the patient low and high thresholds for glucose concentration.	MDC_CONC_GLU_PATIENT_T_HRESHOLDS_LOW_HIGH	128::29404
Glucose Concentration Threshold Patient Low	Patient's low glucose threshold		Patient low threshold value for glucose concentration.	MDC_CONC_GLU_PATIENT_T_HRESHOLD_LOW	128::29405
Glucose Concentration Threshold Patient High	Patient's high glucose threshold		Patient high threshold value for glucose concentration.	MDC_CONC_GLU_PATIENT_T_HRESHOLD_HIGH	128::29406

Table A.11.21.3.1—Nomenclature and codes for PHD Disease Management, CGM sensors (multipage table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Glucose Concentration Thresholds Hypo Hyper	Hypo and hyper thresholds for glucose concentration		Object containing the hypoglycemic and hyperglycemic thresholds for glucose concentration.	MDC_CONC_GLU_THRESHOLD_DS_HYPO_HYPER	128::29408
Glucose Concentration Threshold Hypo	Device hypo threshold for glucose concentration		Hypoglycemic threshold value for glucose concentration.	MDC_CONC_GLU_THRESHOLD_D_HYPO	128::29409
Glucose Concentration Threshold Hyper	Device hyper threshold for glucose concentration		Hyperglycemic threshold value for glucose concentration.	MDC_CONC_GLU_THRESHOLD_D_HYPER	128::29410
Glucose Concentration Rate Thresholds	Glucose rate-of-change thresholds		Object containing the rate-of-change thresholds for glucose concentration.	MDC_CONC_GLU_RATE_THR_ESHOLDS	128::29412
Glucose Concentration Rate Threshold Increase	Glucose increase rate-of-change thresholds		Increase threshold value for rate of change of glucose concentration.	MDC_CONC_GLU_RATE_THR_ESHOLD_INCREASE	128::29413
Glucose Concentration Rate Threshold decrease	Glucose decrease rate-of-change thresholds		Decrease threshold value for rate of change of glucose concentration.	MDC_CONC_GLU_RATE_THR_ESHOLD_DECREASE	128::29414

A.11.22 Base concepts, Continuous Glucose Monitoring, status

The target category is *device*, *Continuous Glucose Monitoring*. The different devices applied within the scenarios forming the basis of the DIM have different functionality. The terms are defined in IEEE Std 11073-10425. Accordingly, the following base concepts have been identified:

- **Sensor** (devices [or the subsystems of more complex devices] that acquire and report data or an event.)

A.11.22.1 First set of differentiating criteria

The first semantic link is based on the concept performs (typically afferent functions, particularly measurement, but also efferent functions such as regulation). The devices are, therefore, classified into a number of possible categories based on the functionality they perform.

A.11.22.2 Semantic link "*has measured property*:"

Applicable descriptors include the following:

- **Continuous Glucose Monitoring status**

A.11.22.3 Code table

Systematic derivations of terms and codes for CGM sensors are outlined in Table A.11.22.3.1.

Table A.11.22.3.1—Nomenclature and codes for PHD Disease Management, CGM sensors

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
CGM Sensor Calibration	CGM sensor calibration		Object containing the CGM sensor calibration.	MDC_CGM_SENSOR_CALIBRATION	128::29428
CGM Sensor Run Time	CGM sensor run time		Object containing the CGM sensor run time.	MDC_CGM_SENSOR_RUN_TIME	128::29432
CGM Sensor Sampling Interval	CGM sensor sampling interval		Object containing the CGM sensor sampling interval.	MDC_CGM_SENSOR_SAMPLE_INTERVAL	128::29436
CGM Sensor Device Status	CGM device status		Object containing the CGM device status.	MDC_CGM_DEV_STAT	128::29452

A.11.23 Base concepts, Continuous Glucose Monitoring, device

The target category is *device*, *Continuous Glucose Monitoring*. A continuous monitoring system is often split into devices with separate functionality. The terms are defined in IEEE Std 11073-10425. Accordingly, the following base concepts have been identified:

— Device

A.11.23.1 First set of differentiating criteria

The first semantic link is based on the concept performs (typically afferent functions, particularly measurement, but also efferent functions such as regulation). The devices are, therefore, classified into a number of possible categories based on the functionality they perform.

A.11.23.2 Semantic link "is device: "

Applicable descriptors include the following:

— Continuous Glucose Monitor device

A.11.23.3 Code table

Systematic derivations of terms and codes for glucose device are outlined in Table A.11.23.3.1.

Table A.11.23.3.1—Nomenclature and codes for PHD Disease Management, CGM device

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
CGM Device Type Sensor	CGM sensor		CGM device type sensor.	MDC_CGM_DEV_TYPE_SENS OR	128::29460
CGM Device Type Transmitter	CGM transmitter		CGM device type transmitter.	MDC_CGM_DEV_TYPE_TRAN SMITTER	128::29461
CGM Device Type Receiver	CGM receiver		CGM device type receiver.	MDC_CGM_DEV_TYPE_RECEI VER	128::29462
CGM Device Type Other	CGM device type other		CGM device type other. This option is used when the device type does not match an available option.	MDC_CGM_DEV_TYPE_OTHE R	128::29463

A.11.24 Base concepts, Insulin Pump, sensors

The target category is *device, Power Status Monitor*. The different devices applied within the scenarios forming the basis of the DIM have different functionality. The terms are defined in IEEE Std 11073-10419. Accordingly, the following base concepts have been identified:

— **Sensor**

A.11.24.1 First set of differentiating criteria

The first semantic link is based on the concept performs (typically afferent functions, particularly measurement, but also efferent functions such as regulation). The devices are, therefore, classified into a number of possible categories based on the functionality they perform.

A.11.24.2 Semantic link "has measured property": "

Applicable descriptors include the following:

— **Insulin pump sensor**

A.11.24.3 Code table

Systematic derivations of terms and codes for insulin pump sensors are outlined in Table A.11.24.3.1.

Table A.11.24.3.1—Nomenclature and codes for PHD Disease Management, Insulin Pump (*multipage table*)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Insulin Basal	Insulin Basal		Object containing the basal delivered amount	MDC_INS_BASAL	128::29680
Insulin Basal Rate Setting	Insulin Basal Rate Setting		Object containing the current basal rate setting	MDC_INS_BASAL_RATE_SETT ING	128::29692
Insulin Basal Programmed	Insulin Basal Rate Programmed		Basal rate set by the active basal profile schedule setting	MDC_INS_BASAL_PRGM	128::29693
Insulin Basal Temporary Absolute	Absolute Temporary Insulin Basal Rate		Basal rate set by an absolute temporary change	MDC_INS_BASAL_TEMP_ABS	128::29694
Insulin Basal Temporary Relative	Relative Temporary Insulin Basal Rate		Basal rate set by an relative temporary change	MDC_INS_BASAL_TEMP_REL	128::29695

Table A.11.24.3.1—Nomenclature and codes for PHD Disease Management, Insulin Pump (multipage table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Insulin Basal Undetermined	Undetermined Insulin Basal Rate Context		Undetermined basal rate context	MDC_INS_BASAL_UNDETERMINED	128::29696
Insulin Basal Device	Insulin Pump Device Set Basal Rate		Basal rate set by the insulin pump device	MDC_INS_BASAL_DEVICE	128::29697
Insulin Basal Remote	Insulin Pump Remote Control Set Basal Rate		Basal rate set by a remote control	MDC_INS_BASAL_REMOTE	128::29698
Insulin Basal Artificial Pancreas	Artificial Pancreas Controller Set Basal Rate		Basal rate set by an artificial pancreas controller	MDC_INS_BASAL_AP_CTRL	128::29699
Insulin Basal Other	Other Source Set Basal Rate		Basal rate set by another source. This option is used when the basal rate source doesn't match an available option.	MDC_INS_BASAL_OTHER	128::29700
Insulin Basal Rate Schedule	Insulin Basal Rate Segment		Object containing the basal rate segment for a basal rate schedule	MDC_INS_BASAL_RATE_SCHEDULE	128::29712
Insulin Bolus Setting	Insulin Bolus Setting		Object containing the current bolus setting	MDC_INS_BOLUS_SET	128::29724
Insulin Bolus	Insulin Bolus		Object containing the bolus delivered amount	MDC_INS_BOLUS	128::29736
Insulin Bolus Fast	Insulin Fast Bolus		Insulin delivered as a fast bolus	MDC_INS_BOLUS_FAST	128::29737
Insulin Bolus Extended	Insulin Extended Bolus		Insulin delivered as an extended bolus	MDC_INS_BOLUS_EXT	128::29738
Insulin Bolus Correction	Insulin Correction Bolus		Insulin delivered as a bolus for a correction	MDC_INS_BOLUS_CORR	128::29739
Insulin Bolus Meal	Insulin Meal Bolus		Insulin delivered as a bolus for a meal	MDC_INS_BOLUS_MEAL	128::29740
Insulin Bolus Undetermined	Undetermined Insulin Bolus Context		Undetermined bolus context	MDC_INS_BOLUS_UNDETERMINED	128::29741
Insulin Bolus Manual	Manual Bolus		Bolus defined and set manually by a user	MDC_INS_BOLUS_MANUAL	128::29742
Insulin Bolus Recommended	Recommended Bolus		Bolus recommended to the user such a bolus calculator	MDC_INS_BOLUS_RECOMMENDED	128::29743

Table A.11.24.3.1—Nomenclature and codes for PHD Disease Management, Insulin Pump (multipage table)

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Insulin Bolus Manual Change	Manually Changed Bolus		Bolus recommended to the user such a bolus calculator but bolus amount changed by the user	MDC_INS_BOLUS_MANUAL_C HANGE	128::29744
Insulin Bolus Commanded	Commanded Bolus		Bolus commanded by another device such as an artificial pancreas controller	MDC_INS_BOLUS_COMMAND ED	128::29745
Insulin Bolus Other	Other Source Set Bolus		Bolus set by another source. This option is used when the bolus source doesn't match an available option.	MDC_INS_BOLUS_OTHER	128::29746
Insulin Bolus Pending Delay	Bolus Pending Delay		Object containing the bolus pending delay	MDC_INS_BOLUS_PENDING_ DELAY	128::29747
Insulin Carbohydrate Schedule	Insulin to Carbohydrate Ratio		Object containing the insulin to carbohydrate ratio for an insulin to carbohydrate schedule	MDC_INS_I2CHO_SCHED	128::29756
Insulin Sensitivity Factor Schedule	Insulin Sensitivity Factor		Object containing the insulin sensitivity factor for an insulin sensitivity factor schedule	MDC_INS_ISF_SCHED	128::29768
Insulin Remaining	Insulin reservoir remaining		Insulin reservoir remaining	MDC_INS_RESERVOIR	128::29780
Insulin Concentration	Insulin concentration		Insulin concentration	MDC_INS_CONC	128::29792
Insulin Operational Status	Insulin Device Status		Object containing the insulin pump operational status	MDC_INS_PUMP_OP_STAT	128::29804
Insulin Device Status	Insulin Device Status		Object containing the insulin pump device status	MDC_INS_PUMP_DEV_STAT	128::29836

A.11.24.4 Deprecated term codes for PHD Disease Management

Certain term codes for PHD Disease Management have been deprecated. These are listed in Table A.11.24.4.1.

Table A.11.24.4.1—Deprecated term codes for PHD Disease Management, Insulin Pump

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Insulin Basal Other	Other Source Set Basal Rate		The term code is changed from 128::29670 to 128::29700	MDC_INS_BASAL_OTHER	128::29670

A.11.25 Base concepts, Power StatusMonitor, sensors

The target category is *device*, *Power Status Monitor*. The different devices applied within the scenarios forming the basis of the DIM have different functionality. The terms are defined in IEEE Std 11073-10427. Accordingly, the following base concepts have been identified:

- Device

A.11.25.1 First set of differentiating criteria

The first semantic link is based on the concept performs (typically afferent functions, particularly measurement, but also efferent functions such as regulation). The devices are, therefore, classified into a number of possible categories based on the functionality they perform.

Applicable descriptors include the following:

- Capacity
- Status

A.11.25.2 Semantic link "*is component*:"

Applicable descriptors include the following:

- Battery

A.11.25.3 Semantic link "*is device*:"

Applicable descriptors include the following:

- Power Status Monitor

A.11.25.4 Code table

Systematic derivations of terms and codes for power status monitor device are outlined in Table A.11.25.4.1.

Table A.11.25.4.1—Nomenclature and codes for PHD Disease Management, PSM device

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Capacity Battery PowerStatusMonitor	Battery capacity		PSM battery capacity	MDC_BATTERY_CAPACITY	128::29900
Status Battery PowerStatusMonitor	Battery status		PSM status	MDC_BATTERY_STATUS	128::29904

A.11.26 Base concepts, Power Status Monitor, battery

The target category is *battery*, *Power Status Monitoring*. The terms are defined in IEEE Std 11073-10427. Accordingly, the following base concepts have been identified:

— **Battery**

A.11.26.1 Semantic link "has identification": "

Applicable descriptors include the following:

— **Identification**

A.11.26.2 Code table

Systematic derivations of terms and codes for power status monitor are outlined in Table A.11.26.2.1.

Table A.11.26.2.1—Nomenclature and codes for PHD Disease Management, PSM device

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
Battery Identification 1			Identification of battery 1	MDC_BATTERY_1	128::29912
Battery Identification 2			Identification of battery 2	MDC_BATTERY_2	128::29920
Battery Identification 3			Identification of battery 3	MDC_BATTERY_3	128::29928
Battery Identification 4			Identification of battery 4	MDC_BATTERY_4	128::29936
Battery Identification 5			Identification of battery 5	MDC_BATTERY_5	128::29944
Battery Identification 6			Identification of battery 6	MDC_BATTERY_6	128::29952
Battery Identification 7			Identification of battery 7	MDC_BATTERY_7	128::29960
Battery Identification 8			Identification of battery 8	MDC_BATTERY_8	128::29968
Battery Identification 9			Identification of battery 9	MDC_BATTERY_9	128::29976
Battery Identification 10			Identification of battery 10	MDC_BATTERY_10	128::29984
Battery Identification 11			Identification of battery 11	MDC_BATTERY_11	128::29992
Battery Identification 12			Identification of battery 12	MDC_BATTERY_12	128::30000
Battery Identification 13			Identification of battery 13	MDC_BATTERY_13	128::30008
Battery Identification 14			Identification of battery 14	MDC_BATTERY_14	128::30016
Battery Identification 15			Identification of battery 15	MDC_BATTERY_15	128::30024
Battery Identification 16			Identification of battery 16	MDC_BATTERY_16	128::30032

A.11.27 Base concepts, Peak Expiratory Flow

The target category is *reading status*, *Peak Expiratory Flow*. The terms are defined in IEEE Std 11073-10421. Accordingly, the following base concepts have been identified:

- Reading status

A.11.27.1 First set of differentiating criteria

The first semantic link has the measurement property of status.

A.11.27.2 Semantic link "*has measured property*:"

Applicable descriptors include the following:

- PEF reading status

A.11.27.3 Code table

Systematic derivations of terms and codes for PEF reading status are outlined in Table A.11.27.3.1.

Table A.11.27.3.1—Nomenclature and codes for PHD Disease Management, PEF status

Systematic name	Common term	Acronym	Description/definition	RefId	Part::Code
PEF Status Measurement			PEF Reading status	MDC_PEF_READING_STATUS	128::30720

A.12 Systematic derivations of terms and codes for health and fitness (Partition 129)

A.12.1 Introduction

The target category is *health and fitness*. This category includes, but is not restricted to, devices that are used by the person during activities related to personal health and fitness.

A.12.2 Base concepts

The target category is *device*. The different devices applied within the scenarios forming the basis of the DIM have different functionality. Accordingly, the following base concepts have been identified:

- **Sensor** (devices [or the subsystems of more complex devices] that acquire and report data or an event.

A.12.3 First set of differentiating criteria, sensors

The first semantic link is based on the concept performs (typically afferent functions, particularly measurement, but also efferent functions such as regulation). The devices are, therefore, classified into a number of possible categories based on the functionality they perform.

A.12.3.1 Semantic link "*has measured property*:"

Applicable descriptors include the following:

- **Health and fitness sensor**

A.12.3.2 Code table

Systematic derivations of terms and codes for health and fitness sensors are outlined in Table A.12.3.2.1.

Table A.12.3.2.1—Nomenclature and codes for health and fitness sensors (multiple table)

Systematic name	Common term	Description/definition	RefId	Part::Code
HF Altitude Gain	Altitude gain	The cumulative altitude gained over a period of time.	MDC_HF_ALT_GAIN	129::100
HF Altitude Loss	Altitude loss	The cumulative altitude lost over a period of time.	MDC_HF_ALT_LOSS	129::101
HF Altitude	Altitude	This is the altitude observation.	MDC_HF_ALT	129::102
HF Distance	Distance	The distance covered.	MDC_HF_DISTANCE	129::103
HF Ascent Time and Distance	Ascent time and distance	The amount of time spent and horizontal distance covered while gaining altitude.	MDC_HF_ASC_TIME_DIST	129::104
HF Descent Time and Distance	Descent time and distance	The amount of time spent and horizontal distance covered while losing altitude.	MDC_HF_DESC_TIME_DIST	129::105
HF Latitude	Latitude	This is the latitude (north/south) at a point in time.	MDC_HF_LATITUDE	129::106
HF Longitude	Longitude	This is the longitude (east/west) at a point in time.	MDC_HF_LONGITUDE	129::107
HF Program Identifier	Program identifier	An identifier for the exercise program being executed.	MDC_HF_PROGRAM_ID	129::108
HF Slopes	Slopes	A counter for the number of slopes skied.	MDC_HF_SLOPES	129::109
HF Speed	Speed	This is an object representing the speed over a period of time.	MDC_HF_SPEED	129::110
HF Cadence	Cadence	This is an object representing the cadence over a period of time.	MDC_HF_CAD	129::111
HF Repetition	Repetition	A repetition of a strength exercise.	MDC_HF_REPETITION	129::400
HF Repetition Count	Repetition count	A count of the number of repetitions in a set.	MDC_HF_REPETITION_COUNT	129::404
HF Resistance	Resistance	The resistance used in a set of strength exercise.	MDC_HF_RESISTANCE	129::408
HF Mean, Null include		Mean including periods of no exercise	MDC_HF_MEAN_NULL_INCLUDE	129::2000
HF Mean, Null exclude		Mean excluding periods of no exercise	MDC_HF_MEAN_NULL_EXCLUDE	129::2001
HF Maximum		Maximum	MDC_HF_MAX	129::2002
HF Minimum		Minimum	MDC_HF_MIN	129::2003
HF RMS	Root Mean Squared	Root mean squared value	MDC_HF_RMS	129::2004
HF PIM	Proportional Integral Mode	Proportional Integral Mode of the 3D acceleration	MDC_HF_PIM	129::2005
HF PIM_X	Proportional Integral Mode	Proportional Integral Mode X component	MDC_HF_PIM_X	129::2006

Table A.12.3.2.1—Nomenclature and codes for health and fitness sensors (multiple table)

Systematic name	Common term	Description/definition	RefId	Part::Code
HF PIM_Y	Proportional Integral Mode	Proportional Integral Mode Y component	MDC_HF_PIM_Y	129::2007
HF PIM_Z	Proportional Integral Mode	Proportional Integral Mode Z component	MDC_HF_PIM_Z	129::2008
HF TAT	Time Above Threshold	Gives the % of time the signal is above threshold	MDC_HF_TAT	129::2009
HF TAT_THRESHOLD	TAT Threshold	Gives the threshold to calculate the TAT	MDC_HF_TAT_THRESHOLD	129::2010
HF 3D Acceleration_X	3D Acceleration_X	X component of raw acceleration data	MDC_HF_3D_ACC_X	129::2011
HF 3D Acceleration_Y	3D Acceleration_Y	Y component of raw acceleration data	MDC_HF_3D_ACC_Y	129::2012
HF 3D Acceleration_Z	3D Acceleration_Z	Z component of raw acceleration data	MDC_HF_3D_ACC_Z	129::2013
HF 3D Acceleration_Z with gravity offset	3D Acceleration_Z	Z component of raw acceleration data	MDC_HF_3D_ACC_Z_G_OFFSET	129::2014
HF 3D Angular Acceleration_X	Pitch	Pitch component of raw angular acceleration data	MDC_HF_3D_ANG_ACC_X	129::2015
HF 3D Angular Acceleration_Y	Roll	Roll component of raw angular acceleration data	MDC_HF_3D_ANG_ACC_Y	129::2016
HF 3D Angular Acceleration_Z	Yaw	Yaw component of raw angular acceleration data	MDC_HF_3D_ANG_ACC_Z	129::2017
HF Instantaneous measure	Instantaneous Measure	Denotes an instantaneous measure	MDC_HF_INST	129::2018
HF Incline	Incline	This is an object representing the incline over a period of time.	MDC_HF_INCLINE	129::112
HF Heart Rate Max User	Max user heart rate	The user's absolute maximum heart rate.	MDC_HF_HR_MAX_USER	129::113
HF Heart Rate	Heart rate	This is an object representing the heart rate over a period of time.	MDC_HF_HR	129::114
HF Power	Power	This is an object representing the power over a period of time.	MDC_HF_POWER	129::115
HF Resistance	Resistance	This is an object representing the resistance over a period of time.	MDC_HF_RESIST	129::116
HF Stride Length	Stride length	This is an object representing the stride length over a period of time.	MDC_HF_STRIDE	129::117
HF Energy Expended	Energy expended	The number of calories expended over a period of time.	MDC_HF_ENERGY	129::119
HF Calories Ingested	Calories ingested	The number of calories consumed over a period of time.	MDC_HF_CAL_INGEST	129::120
HF Calories Ingested Carbohydrate	Carbohydrate calories ingested	The number of carbohydrate calories consumed over a period of time.	MDC_HF_CAL_INGEST_CARB	129::121

Table A.12.3.2.1—Nomenclature and codes for health and fitness sensors (multipage table)

Systematic name	Common term	Description/definition	RefId	Part::Code
HF Sustained Physical Activity Threshold	Sustained physical activity threshold	The device setting that defines how much time must be spent in physical activity to be considered a period of sustained physical activity.	MDC_HF_SUST_PA_THRESHOLD	129::122
HF Session	Session	The root concept of all data reported: It defines the time, duration and activity for the episode being reported.	MDC_HF_SESSION	129::123
HF Subsession	Subsession	This object serves to break up a session into smaller parts.	MDC_HF_SUBSESSION	129::124
HF Activity Time	Activity time	This object is used to define how much time was spent during a session in a particular activity.	MDC_HF_ACTIVITY_TIME	129::125
HF Age	Age	The age of the user.	MDC_HF_AGE	129::126
HF Activity Intensity	Activity intensity	The intensity rating of the activity.	MDC_HF_ACTIVITY_INTENSITY	129::127
HF WeightLoss	Weightloss	Weight that is lost during a session or activity	MDC_HF_WEIGHTLOSS	129::128

A.12.3.3 Deprecated terms for PHD disease management, health and fitness

Certain terms for PHD disease management, health and fitness have been deprecated. These are listed in Table A.12.3.3.1.

Table A.12.3.3.1—Deprecated terms for PHD disease management, health and fitness (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
HF Activity Intensity	Activity intensity	129:2019 is deprecated as a replication of 129:127	MDC_HF_ACTIVITY_INTENSITY	129::2019
HF Respiration rate	Respiration rate	Use MDC_RESP_RATE 2::20482	MDC_HF_RESP_RATE	129::2020
HF Cadence	Cadence	129:2021 is deprecated as a replication of 129:111	MDC_HF_CAD	129::2021
HF Heart rate	Heart rate	129:2022 is deprecated as a replication of 129:114	MDC_HF_HR	129::2022
HF Incline	Incline	129:2023 is deprecated as a replication of 129:112	MDC_HF_INCLINE	129::2023
HF Power	Power	129:2024 is deprecated as a replication of 129:115	MDC_HF_POWER	129::2024

Table A.12.3.3.1—Deprecated terms for PHD disease management, health and fitness (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
HF Resistance	Resistance	129:2025 is deprecated as a replication of 129:116	MDC_HF_RESIST	129::2025
HF Speed	Speed	129:2026 is deprecated as a replication of 129:110	MDC_HF_SPEED	129::2026
HF Stride length	Stride length	129:2027 is deprecated as a replication of 129:117	MDC_HF_STRIDE	129::2027

A.12.4 Second set of differentiating criteria, activity

The second semantic link is based on the concept of the activity being performed.

A.12.4.1 Semantic link "is engaged in activity: "

Applicable descriptors include the following:

— **Health and fitness activity**

A.12.4.2 Code table

Systematic derivations of terms and codes for health and fitness activities are outlined in Table A.12.4.2.1.

Table A.12.4.2.1—Nomenclature and codes for health and fitness activity (multipage table)

Systematic name	Common term	Description/definition	RefId	Part::Code
HF Activity Ambulate	Ambulate	Activity consisting of walking around.	MDC_HF_ACT_AMB	129::1000
HF Activity Resting	Resting	Person is at rest.	MDC_HF_ACT_REST	129::1001
HF Activity Motoring	Motoring	Person is in motorized transportation.	MDC_HF_ACT_MOTOR	129::1002
HF Activity Lying Down	Lying down	Person is lying down.	MDC_HF_ACT_LYING	129::1003
HF Activity Sleeping	Sleeping	Person is sleeping.	MDC_HF_ACT_SLEEP	129::1004
HF Activity Physical Activity	Physical activity	Person is engaged in physical activity.	MDC_HF_ACT_PHYS	129::1005
HF Activity Sustained Physical Activity	Sustained physical activity	Person is engaged in physical activity for a sustained period of time.	MDC_HF_ACT_SUS_PHYS	129::1006
HF Activity Unknown	Unknown	Activity is unknown.	MDC_HF_ACT_UNKNOWN	129::1007

Table A.12.4.2.1—Nomenclature and codes for health and fitness activity (multipage table)

Systematic name	Common term	Description/definition	RefId	Part::Code
HF Activity Multiple	Multiple	Person is engaged in multiple activities.	MDC_HF_ACT_MULTIPLE	129::1008
HF Activity Activity Monitoring	Activity monitoring	General activity monitoring.	MDC_HF_ACT_MONITOR	129::1009
HF Activity Skiing	Skiing	Person is skiing.	MDC_HF_ACT_SKI	129::1010
HF Activity Running	Running	Person is running.	MDC_HF_ACT_RUN	129::1011
HF Activity Cycling	Cycling	Person is cycling.	MDC_HF_ACT_BIKE	129::1012
HF Activity Stair Climbing	Stair climbing	Person is climbing stairs.	MDC_HF_ACT_STAIR	129::1013
HF Activity Rowing	Rowing	Person is rowing.	MDC_HF_ACT_ROW	129::1014
HF Activity Yard And House Work	Yard and house work	Person is engaged in general yard or house work.	MDC_HF_ACT_HOME	129::1015
HF Activity Work	Work	Person is doing their job.	MDC_HF_ACT_WORK	129::1016
HF Activity Walking	Walking	Person is walking.	MDC_HF_ACT_WALK	129::1017
HF Activity Exercise Bike	Exercise bike	Person is using exercise bike.	MDC_HF_ACT_EXERCISE_BIKE	129::1018
HF Activity Golf	Golf	Person is walking.	MDC_HF_ACT_GOLF	129::1019
HF Activity Hiking	Hiking	Person is walking.	MDC_HF_ACT_HIKE	129::1020
HF Activity Swimming	Swimming	Person is swimming.	MDC_HF_ACT_SWIM	129::1021
HF Activity Aerobics	Aerobics	Person is doing aerobics exercise.	MDC_HF_ACT_AEROBICS	129::1022
HF Activity Dumbbell	Dumbbell	Person is using dumbbell.	MDC_HF_ACT_DUMBBELL	129::1023
HF Activity Weight Training	Weight training	Person is doing weight training.	MDC_HF_ACT_WEIGHT	129::1024
HF Activity Elastic Band Exercise	Elastic band exercise	Person is doing elastic band exercise.	MDC_HF_ACT_BAND	129::1025
HF Activity Stretching	Stretching	Person is stretching.	MDC_HF_ACT_STRETCH	129::1026
HF Activity Yoga	Yoga	Person is doing yoga..	MDC_HF_ACT_YOGA	129::1027
HF Activity Water Walking	Water walking	Person is doing water walking.	MDC_HF_ACT_WATER_WALK	129::1028

A.12.5 First set of differentiating criteria, exercise

The first semantic link is based on the concept of the form of exercise being performed.

A.12.5.1 Semantic link "Exercise type: "

Applicable descriptors include the following:

- Health and fitness exercise

A.12.5.2 Code table

Systematic derivations of terms and codes for exercises are outlined in Table A.12.5.2.1.

Table A.12.5.2.1—Nomenclature and codes for health and fitness exercise

Systematic name	Common term	Description/definition	RefId	Part::Code
HF Set	Set	A set of repetitions of a strength exercise.	MDC_HF_SET	129::200
HF Set Start	Set start	Start of a set of repetitions of a strength exercise.	MDC_HF_SET_STRT	129::208
HF Exercise Position	Exercise position	The position of the exerciser.	MDC_HF_EXERCISE_POSITION	129::204
HF Exercise Laterality	Exercise laterality	The side of the body involved in the exercise.	MDC_HF_EXERCISE_LATERALITY	129::205
HF Exercise Grip	Exercise grip	The grip employed in the exercise.	MDC_HF_EXERCISE_GRIP	129::206
HF Exercise Movement	Exercise movement	The movement involved in the exercise.	MDC_HF_EXERCISE_MOVEMENT	129::207

A.12.6 Second set of differentiating criteria, exercise

The second semantic link is based on the concept of the specific exercise being performed.

A.12.6.1 Semantic link "has specific exercise: "

Applicable descriptors include the following:

- Health and fitness specific exercise

A.12.6.2 Code table

Systematic derivations of terms and codes for general locations are outlined in Table A.12.6.2.1.

Table A.12.6.2.1—Nomenclature and codes for health and fitness specific exercise

Systematic name	Common term	Description/definition	RefId	Part::Code
HF Laterality Both	Both	Both left and right sides are engaged in the exercise.	MDC_HF_LATERALITY_BOTH	129::1200
HF Laterality Right	Right	The right side is engaged in the exercise.	MDC_HF_LATERALITY_RIGHT	129::1201
HF Laterality Left	Left	The left side is engaged in the exercise.	MDC_HF_LATERALITY_LEFT	129::1202
HF Position Inclined	Inclined	Inclined exercise position.	MDC_HF_POSITION_INCLINE	129::1203
HF Position Declined	Declined	Declined exercise position.	MDC_HF_POSITION_DECLINE	129::1204
HF Position Seated	Seated	Seated exercise position.	MDC_HF_POSITION_SEATED	129::1205
HF Position Standing	Standing	Standing exercise position.	MDC_HF_POSITION_STANDING	129::1206
HF Position Kneeling	Kneeling	Kneeling exercise position.	MDC_HF_POSITION_KNEELING	129::1207
HF Position Bent-over	Bent over	Bent-over exercise position.	MDC_HF_POSITION_BENTOVER	129::1208
HF Position Hanging	Hanging	Hanging exercise position.	MDC_HF_POSITION_HANGING	129::1209
HF Position Overhead	Overhead	Overhead exercise position.	MDC_HF_POSITION_OVERHEAD	129::1210
HF Position Lying	Lying	Lying exercise position.	MDC_HF_POSITION_LYING	129::1211
HF Movement Flexion	Flexion	Movement that decreases the angle of a joint.	MDC_HF_MOVEMENT_FLEXION	129::1300
HF Movement Extension	Extension	Movement that increases the angle of a joint.	MDC_HF_MOVEMENT_EXTENSION	129::1301
HF Movement Rotation	Rotation	Circular movement.	MDC_HF_MOVEMENT_ROTATION	129::1302
HF Movement Abduction	Abduction	Movement of a limb away from the body.	MDC_HF_MOVEMENT_ABDUCTION	129::1303
HF Movement Adduction	Adduction	Movement of a limb toward the body.	MDC_HF_MOVEMENT_ADDUCTION	129::1304
HF Grip Parallel	Parallel	Parallel grip.	MDC_HF_GRIP_PARALLEL	129::1400
HF Grip Overhand	Overhand	Overhand grip.	MDC_HF_GRIP_OVERHAND	129::1401
HF Grip Underhand	Underhand	Underhand grip.	MDC_HF_GRIP_UNDERHAND	129::1402
HF Grip Close	Close	Close-handed grip.	MDC_HF_GRIP_CLOSE	129::1403
HF Grip Wide	Wide	Wide-handed grip.	MDC_HF_GRIP_WIDE	129::1404
HF Grip Gripless	Gripless	Gripless hand position.	MDC_HF_GRIP_GRIPLESS	129::1405

A.12.6.3 Deprecated terms for health and fitness exercise

Certain terms for health and fitness exercise have been deprecated. These are listed in Table A.12.6.3.1.

Table A.12.6.3.1—Deprecated terms for health and fitness exercise

Systematic name	Common term	Description/Definition	RefId	Part::Code
HF Repetition	Repetition	Replaced by MDC_HF_REPETITION (400)	MDC_HF_REPETITION	129::201
HF Repetition Count	Repetition count	Replaced by MDC_HF_REPETITION_COUNT (404)	MDC_HF_REPETITION_COUNT	129::202
HF Resistance	Resistance	Replaced by MDC_HF_RESISTANCE (408)	MDC_HF_RESISTANCE	129::203

A.13 Systematic derivations of terms and codes for independent living monitoring measurements (Partition 130)

A.13.1 Introduction

The target category is *independent living*. This category includes, but is not restricted to, devices that are used to monitor the environment and activities of a person.

A.13.2 Base concepts

The target category is *device*. The different devices applied within the scenarios forming the basis of the DIM have different functionality. Accordingly, the following base concepts have been identified:

- **Sensor** (devices [or the subsystems of more complex devices] that acquire and report data or an event.

A.13.3 First set of differentiating criteria, sensor

The first semantic link is based on the concept performs (typically afferent functions, particularly measurement, but also efferent functions such as regulation). The devices are, therefore, classified into a number of possible categories based on the functionality they perform.

A.13.3.1 Semantic link "*has measured property*:"

Applicable descriptors include the following:

- **Fall**
- **Pers**
- **Smoke**
- **CO**
- **Water**
- **Gas**
- **Motion**
- **Property exit**
- **Enuresis**
- **Contact closure**
- **Usage**

—	Switch
—	Dosage
—	Temperature
—	Humidity
—	Current temperature
—	Current humidity
—	Accumulated electricity usage
—	Accumulated gas usage
—	Accumulated water usage
—	Accumulate solar generated
—	Instantaneous electricity usage
—	Instantaneous gas usage
—	Instantaneous water usage
—	Instantaneous solar generated
—	Identity of person
—	Location of sensor
—	Base X coordinate
—	Base Y coordinate
—	Base Z coordinate
—	Base coordinate angle
—	Base location
—	Relative X coordinate
—	Relative Y coordinate
—	Relative Z coordinate
—	GPS latitude
—	GPS longitude
—	GPS altitude
—	Speed
—	Heading

A.13.3.2 Code table

See Table A.13.3.2.1 for the nomenclature and codes for sensor types.

Table A.13.3.2.1—Nomenclature and codes for assisted living sensors (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Sensor Fall	Fall sensor	Sensor to report when fall detected	MDC_AI_TYPE_SENSOR_FALL	130::1
Sensor PERS	PERS sensor	Sensor to report when person indicates an event	MDC_AI_TYPE_SENSOR_PERS	130::2
Sensor smoke	Smoke sensor	Sensor to report when smoke is detected	MDC_AI_TYPE_SENSOR_SMOKE	130::3
Sensor CO	CO sensor	Sensor to report when CO is detected	MDC_AI_TYPE_SENSOR_CO	130::4
Sensor water	Water sensor	Sensor to report when water is detected	MDC_AI_TYPE_SENSOR_WATER	130::5
Sensor gas	Gas sensor	Sensor to report when gas is detected	MDC_AI_TYPE_SENSOR_GAS	130::6
Sensor motion	Motion sensor	Sensor to report motion in a vicinity is detected	MDC_AI_TYPE_SENSOR_MOTION	130::7
Sensor property exit	Property exit sensor	Sensor to report a person exits or enters a property, and when door is left	MDC_AI_TYPE_SENSOR_PROPEXIT	130::8
Sensor enuresis	Enuresis sensor	Sensor to report when enuresis is detected	MDC_AI_TYPE_SENSOR_ENURESIS	130::9
Sensor contact closure	Contact closure sensor	Sensor to report a contact is closed or opened	MDC_AI_TYPE_SENSOR_CONTACTCLOSURE	130::10
Sensor usage	Usage sensor	Sensor to report an appliance is in use	MDC_AI_TYPE_SENSOR_USAGE	130::11
Sensor switch	Switch sensor	Sensor to report when a switch is closed or opened	MDC_AI_TYPE_SENSOR_SWITCH	130::12
Sensor dosage	Dosage sensor	Sensor to report when medication is taken or forgotten	MDC_AI_TYPE_SENSOR_DOSAGE	130::13
Sensor temperature	Temperature sensor	Sensor to report high or low temperature	MDC_AI_TYPE_SENSOR_TEMP	130::14
Sensor humidity	Humidity sensor	Sensor to report over high humidity	MDC_AI_TYPE_SENSOR_HUMIDITY	130::15
Sensor usage accumulated electricity	Accumulated electricity usage sensor	Accumulated usage of electricity	MDC_AI_TYPE_ELECTRICITY_ACCUMULATED_USAGE	130::24
Sensor usage accumulated gas	Accumulated gas usage sensor	Accumulated usage of gas	MDC_AI_TYPE_GAS_ACCUMULATED_USAGE	130::28
Sensor usage accumulated water	Accumulated water usage sensor	Accumulated usage of water	MDC_AI_TYPE_WATER_ACCUMULATED_USAGE	130::32
Sensor generated accumulated solar	Accumulated generated solar electricity	Accumulated generation of solar electricity	MDC_AI_TYPE_SOLAR_ACCUMULATE	130::36
Sensor usage instantaneous electricity	Instantaneous electricity usage sensor	Instantaneous usage of electricity	MDC_AI_TYPE_ELECTRICITY_INSTANTANEOUS_USAGE	130::40
Sensor usage instantaneous gas	Instantaneous gas usage sensor	Instantaneous usage of gas	MDC_AI_TYPE_GAS_INSTANTANEOUS_USAGE	130::44

Table A.13.3.2.1—Nomenclature and codes for assisted living sensors (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Sensor usage instantaneous water	Instantaneous water usage sensor	Instantaneous usage of water	MDC_AI_TYPE_WATER_INSTANTANEOUS_USAGE	130::48
Sensor generated instantaneous solar	Instantaneous generated solar electricity	Instantaneous generation of solar electricity	MDC_AI_TYPE_SOLAR_INSTANTANEOUS	130::52
Sensor identity person	Person identity	Identity of a person	MDC_AI_TYPE_PERSON_IDENTITY	130::56
Sensor location, current	Sensor location	Sensor to report the current location	MDC_AI_TYPE_SENSOR_LOCATION	130::60
Sensor location, base	Base {X, Y, Z} coordinates	{X (latitude), Y (longitude), Z (altitude)} coordinates for the datum base coordinate of the defined space	MDC_AI_TYPE_BASE_COORD	130::64
Sensor location, base, X	Base X coordinate	X coordinate (latitude) for the datum base coordinate of the defined space	MDC_AI_TYPE_BASE_COORD_X	130::68
Sensor location, base, Y	Base Y coordinate	Y coordinate (longitude) for the datum base coordinate of the defined space	MDC_AI_TYPE_BASE_COORD_Y	130::72
Sensor location, base, Z	Base Z coordinate	Z coordinate (altitude) for the datum base coordinate of the defined space	MDC_AI_TYPE_BASE_COORD_Z	130::76
Sensor base, angle	Base coordinate angle	Angle of the X axis of the local coordinate space relative to geographic coordinates	MDC_AI_TYPE_BASE_COORD_ANGLE	130::80
Sensor base, location	Base location	Datum base coordinate as a well-defined location within the defined space	MDC_AI_TYPE_BASE_LOCATION	130::84
Sensor location, relative	Relative coordinates	{X, Y, Z} coordinates of the relative location within a defined space	MDC_AI_TYPE_SENSOR_REL_COORD	130::88
Sensor location, relative, X	Relative X coordinate	X coordinate of the relative location within a defined space	MDC_AI_TYPE_SENSOR_REL_COORD_X	130::92
Sensor location, relative, Y	Relative Y coordinate	Y coordinate of the relative location within a defined space	MDC_AI_TYPE_SENSOR_REL_COORD_Y	130::96
Sensor location, relative, Z	Relative Z coordinate	Z coordinate of the relative location within a defined space	MDC_AI_TYPE_SENSOR_REL_COORD_Z	130::100
Sensor location, GPS	GPS location	GPS location (latitude, longitude, altitude)	MDC_AI_TYPE_SENSOR_GPS_LOCATION	130::104
Sensor location, GPS, latitude	GPS latitude	GPS latitude	MDC_AI_TYPE_SENSOR_GPS_LATITUDE	130::108
Sensor location, GPS, longitude	GPS longitude	GPS longitude	MDC_AI_TYPE_SENSOR_GPS_LONGITUDE	130::112
Sensor location, GPS, altitude	GPS altitude	GPS altitude	MDC_AI_TYPE_SENSOR_GPS_ALTITUDE	130::116

Table A.13.3.2.1—Nomenclature and codes for assisted living sensors (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Sensor speed	Speed	Sensor to report speed	MDC_AI_TYPE_SENSOR_SPEED	130::120
Sensor heading	Heading	Sensor to report heading	MDC_AI_TYPE_SENSOR_HEADING	130::124
Sensor altitude	Altitude	Altitude as might be measured by barometric pressure	MDC_AI_TYPE_SENSOR_ALTITUDE	130::128
Sensor altitude, relative	Relative altitude	Relative altitude as might be measured by barometric pressure	MDC_AI_TYPE_SENSOR_REL_ALTITU DE	130::132

A.13.4 Second set of differentiating criteria, location, general

One semantic link is applied for this set of differentiating criteria.

A.13.4.1 Semantic link "locations: "

Applicable descriptors include the following:

- Location, general

A.13.4.2 Discriminator sets

This value denotes the location of a sensor. This location is a 16-bit value constructed where the high 11 bits are the MDC_AI_LOCATION and the lower 5 bits are the unique instance of that location. For example, the high 11 bits could be the value for building and the lower 5 bits are the value for the instance of the building. If only one instance of a location is defined, then the value of the unique instance shall be 0 and the base RefId shall be used (e.g., MDC_AI_LOCATION_BUILDING). If more than one instance of a location is defined, then locations shall be numbered from 01 and the value 0 shall not be used. The RefId shall denote the unique instance as the number of that instance as the numeric suffix _nn (e.g., MDC_AI_LOCATION_BUILDING_03).

A.13.4.3 Code table

Systematic derivations of terms and codes for general locations are outlined in Table A.13.4.3.1.

Table A.13.4.3.1—Nomenclature and codes AI locations, general

Systematic name	Common term	Description/Definition	RefId	Part::Code
Location Unknown	Unknown location	An unknown location	MDC_AI_LOCATION_UNKNOWN	130::1024
Location Unspecified	Unspecified location	The location is not specified	MDC_AI_LOCATION_UNSPECIFIED	130::1088
Location Resident	Resident	A sensor connected to a resident	MDC_AI_LOCATION_RESIDENT	130::1152
Location LocalUnit	Local unit	A local control unit such as emergency phone	MDC_AI_LOCATION_LOCALUNIT	130::1216
Location Building, number, low	Building	Building or a numbered building (0-31) within a site	MDC_AI_LOCATION_BUILDING	130::1248
Location Building, number, mid	Building	A numbered building (32-63) within a site	MDC_AI_LOCATION_BUILDING_MID	130::1280
Location Building, number, high	Building	A numbered building (64-95) within a site	MDC_AI_LOCATION_BUILDING_HIGH	130::1312
Location Floor, level, low	Floor	Floor or a numbered floor (0-31) within a building	MDC_AI_LOCATION_FLOOR	130::1344
Location Floor, level, mid	Floor	A numbered floor (32-63) within a building	MDC_AI_LOCATION_FLOOR_MID	130::1376
Location Floor, level, high	Floor	A numbered floor (64-95) within a building	MDC_AI_LOCATION_FLOOR_HIGH	130::1408
Location Basement	Basement/Lower floor	Basement (0) or a numbered lower floor (-1--31) within a building	MDC_AI_LOCATION_BASEMENT	130::1440
Location Zone, low	Zone	A numbered zone (0-31) within a site	MDC_AI_LOCATION_ZONE	130::1472
Location Zone, mid	Zone	A numbered zone (32-63) within a site	MDC_AI_LOCATION_ZONE_MID	130::1504
Location Zone, high	Zone	A numbered zone (64-95) within a site	MDC_AI_LOCATION_ZONE_HIGH	130::1536
Location Beacon	Beacon	A radio beacon	MDC_AI_LOCATION_BEACON	130::1568
Location Floor, mezzanine	Mezzanine floor	Mezzanine floor	MDC_AI_LOCATION_FLOOR_MEZZANI NE	130::1600
Location Floor, ground	Ground floor	Ground floor	MDC_AI_LOCATION_FLOOR_GROUND	130::1632

A.13.5 Second set of differentiating criteria, location, room

One semantic link is applied for this set of differentiating criteria.

A.13.5.1 Semantic link "locations: "

Applicable descriptors include the following:

— Location, room

A.13.5.2 Discriminator sets

This value denotes the location of a sensor. This location is a 16-bit value constructed where the high 11 bits are the MDC_AI_LOCATION and the lower 5 bits are the unique instance of that location. For example, the high 11 bits could be the value for bedroom and the lower 5 bits are the value for the instance of the bedroom. If only one instance of a location is defined, then the value of the unique instance shall be 0 and the base RefId shall be used (e.g., MDC_AI_LOCATION_BEDROOM). If more than one instance of a location is defined, then locations shall be numbered from 01 and the value 0 shall not be used. The RefId shall denote the unique instance as the number of that instance as the numeric suffix _nn (e.g., MDC_AI_LOCATION_BEDROOM_03).

A.13.5.3 Code table

Systematic derivations of terms and codes for room locations are outlined in Table A.13.5.3.1.

Table A.13.5.3.1—Nomenclature and codes AI locations, rooms (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Location Room Bedroom	Bedroom	Bedroom or a numbered bedroom within a building (0-31)	MDC_AI_LOCATION_BEDROOM	130::3072
Location Room Bedroom, master	Master bedroom	The master bedroom in a building	MDC_AI_LOCATION_BEDROOMMASTER	130::3136
Location Room Toilet	Toilet	Toilet or a numbered toilet within a building (0-31)	MDC_AI_LOCATION_TOILET	130::3200
Location Room Toilet, main	Main toilet	The main toilet in a building	MDC_AI_LOCATION_TOILETMAIN	130::3264
Location Room Toilet, outside	Outside toilet	A toilet in a structure away from the main building	MDC_AI_LOCATION_OUTSIDETOILET	130::3328
Location Room Showerroom	Shower room	A shower room (0-31)	MDC_AI_LOCATION_SHOWEROOM	130::3392
Location Room Kitchen	Kitchen	A kitchen or a numbered kitchen (0-31)	MDC_AI_LOCATION_KITCHEN	130::3456

Table A.13.5.3.1—Nomenclature and codes AI locations, rooms (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Location Room Kitchen, main	Main kitchen	The main kitchen in a building	MDC_AI_LOCATION_KITCHENMAIN	130::3520
Location Room Living area	Living area	A living area (0-31)	MDC_AI_LOCATION_LIVINGAREA	130::3584
Location Room Living room	Living room	A living room (0-31)	MDC_AI_LOCATION_LIVINGROOM	130::3648
Location Room Dining room	Dining room	A dining room (0-31)	MDC_AI_LOCATION_DININGROOM	130::3712
Location Room Study	Study	A study (0-31)	MDC_AI_LOCATION_STUDY	130::3776
Location Room Hall	Hall	A hallway (0-31)	MDC_AI_LOCATION_HALL	130::3840
Location Room Landing	Landing	A landing on the stairs (0-31)	MDC_AI_LOCATION_LANDING	130::3904
Location Room Stairs	Stairs	A set of stairs (0-31)	MDC_AI_LOCATION_STAIRS	130::3968
Location Room Hall landing	Hall landing	The hallway landing	MDC_AI_LOCATION_HALLLANDINGSTAIRS	130::4032
Location Room Garage	Garage	A garage (0-31)	MDC_AI_LOCATION_GARAGE	130::4096
Location Room Garage, garden	Garden garage	A garage separate from the main building (0-31)	MDC_AI_LOCATION_GARDENGARAGE	130::4160
Location Room Garage, garden, area	Garden garage area	The area adjacent to a garage	MDC_AI_LOCATION_GARDENGARAGEAREA	130::4224
Location Room Garden, front	Front garden	The front garden	MDC_AI_LOCATION_FRONTGARDEN	130::4288
Location Room Garden, back	Back garden	The back garden	MDC_AI_LOCATION_BACKGARDEN	130::4352
Location Room Shed	Shed	A shed (0-31)	MDC_AI_LOCATION_SHED	130::4416
Location Room Conservatory	Conservatory	A conservatory (0-31)	MDC_AI_LOCATION_CONSERVATORY	130::4480
Location Room Atrium	Atrium	An atrium (0-31)	MDC_AI_LOCATION_ATRIUM	130::20000
Location Room Bar	Bar	A bar (0-31)	MDC_AI_LOCATION_BAR	130::20032
Location Room Courtyard	Courtyard	A courtyard (0-31)	MDC_AI_LOCATION_COURTYARD	130::20064
Location Room Bathroom	Bathroom	A bathroom (0-31)	MDC_AI_LOCATION_BATHROOM	130::20096
Location Room Billiard room	Billiard room	A billiard room holding table for such game (0-31)	MDC_AI_LOCATION_BILLIARDROOM	130::20160
Location Room Utility room	Utility room	A utility room (0-31)	MDC_AI_LOCATION_UTILILITYROOM	130::20192
Location Room Cellar	Cellar	A cellar (0-31)	MDC_AI_LOCATION_CELLAR	130::20224
Location Room Closet	Closet	A closet (0-31)	MDC_AI_LOCATION_CLOSET	130::20256
Location Room Theater	Theater	A theater housing entertainment system (0-31)	MDC_AI_LOCATION_THEATER	130::20288
Location Room Office	Office	A room designated as an office (0-31)	MDC_AI_LOCATION_OFFICE	130::20320
Location Room Deck	Deck	A deck	MDC_AI_LOCATION_DECK	130::20352
Location Room Den	Den	A den (0-31)	MDC_AI_LOCATION_DEN	130::20384

Table A.13.5.3.1—Nomenclature and codes AI locations, rooms (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Location Room Electrical room	Electrical room	A room containing electrical utility equipment	MDC_AI_LOCATION_ELECTRICALROOM	130::20448
Location Room Elevator	Elevator	An elevator (0-31)	MDC_AI_LOCATION_ELEVATOR	130::20480
Location Room Entry	Entry	An entry way to a building (0-31)	MDC_AI_LOCATION_ENTRY	130::20512
Location Room Family room	Family room	A family room (0-31)	MDC_AI_LOCATION_FAMILYROOM	130::20544
Location Room Main floor	Main floor	The main (ground) floor of a building	MDC_AI_LOCATION_MAINFLOOR	130::20576
Location Room Gallery	Gallery	A gallery (0-31)	MDC_AI_LOCATION_GALLERY	130::20704
Location Room Game room	Game room	A game room (0-31)	MDC_AI_LOCATION_GAMEROOM	130::20736
Location Room Gym	Gym	A gym (0-31)	MDC_AI_LOCATION_GYM	130::20800
Location Room House	House	A house	MDC_AI_LOCATION_HOUSE	130::20864
Location Room Laundry room	Laundry room	A laundry room (0-31)	MDC_AI_LOCATION_LAUNDRYROOM	130::20928
Location Room Library	Library	A library (0-31)	MDC_AI_LOCATION_LIBRARY	130::20960
Location Room Mud room	Mud room	A mud room (0-31)	MDC_AI_LOCATION_MUDROOM	130::21024
Location Room Nursery	Nursery	A nursery (0-31)	MDC_AI_LOCATION_NURSERY	130::21056
Location Room Pantry	Pantry	A pantry (0-31)	MDC_AI_LOCATION_PANTRY	130::21088
Location Room Outside	Outside	The general area outside of the building	MDC_AI_LOCATION_OUTSIDE	130::21152
Location Room Pool	Pool	A pool	MDC_AI_LOCATION_POOL	130::21184
Location Room Porch	Porch	A porch	MDC_AI_LOCATION_PORCH	130::21216
Location Room Sewing room	Sewing room	A sewing room	MDC_AI_LOCATION_SEWINGROOM	130::21248
Location Room Sitting room	Sitting room	A sitting room (0-31)	MDC_AI_LOCATION_SITTINGROOM	130::21280
Location Room Yard	Yard	A yard	MDC_AI_LOCATION_YARD	130::21344
Location Room Attic	Attic	An attic	MDC_AI_LOCATION_ATTIC	130::21376
Location Room Hot tub	Hot tub	A hot tub	MDC_AI_LOCATION_HOTTUB	130::21408
Location Room Sauna	Sauna	A sauna	MDC_AI_LOCATION_SAUNA	130::21472
Location Room Workshop	Workshop	A workshop (0-31)	MDC_AI_LOCATION_WORKSHOP	130::21504
Location Room Bedroom, guest	Guest bedroom	A guest bedroom (0-31)	MDC_AI_LOCATION_GUESTBEDROOM	130::21536
Location Room Bathroom, guest	Guest bathroom	A guest bathroom (01-31)	MDC_AI_LOCATION_GUESTBATHROOM	130::21568
Location Room Powder room	Powder room	A powder room (1/2 bathroom)	MDC_AI_LOCATION_POWDERROOM	130::21600
Location Room Back yard	Back yard	A back yard	MDC_AI_LOCATION_BACKYARD	130::21632
Location Room Front yard	Front yard	A front yard	MDC_AI_LOCATION_FRONTYARD	130::21664

Table A.13.5.3.1—Nomenclature and codes AI locations, rooms (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Location Room Patio	Patio	A patio	MDC_AI_LOCATION_PATIO	130::21696
Location Room Driveway	Driveway	A driveway	MDC_AI_LOCATION_DRIVWAY	130::21728
Location Room Sun room	Sun room	A sun room	MDC_AI_LOCATION_SUNROOM	130::21760
Location Room Spa	Spa	A spa	MDC_AI_LOCATION_SPA	130::21824
Location Room Whirlpool	Whirlpool	A whirlpool	MDC_AI_LOCATION_WHIRLPOOL	130::21856
Location Room Equipment storage room	Equipment storage room	An equipment storage room	MDC_AI_LOCATION_EQUIPMENTSTORAGE	130::21920
Location Room Hobby room	Hobby room	A hobby room	MDC_AI_LOCATION_HOBBYROOM	130::21952
Location Room Fountain	Fountain	A fountain (0-31)	MDC_AI_LOCATION_FOUNTAIN	130::21984
Location Room Pond	Pond	A pond (0-31)	MDC_AI_LOCATION_POND	130::22016
Location Room Reception room	Reception room	A reception room	MDC_AI_LOCATION_RECEPTIONROOM	130::22048
Location Room Breakfast room	Breakfast room	A breakfast room	MDC_AI_LOCATION_BREAKFASTROOM	130::22080
Location Room Nook	Nook	A nook	MDC_AI_LOCATION_NOOK	130::22112
Location Room Garden	Garden	A garden	MDC_AI_LOCATION_GARDEN	130::22144
Location Room Balcony	Balcony	A balcony	MDC_AI_LOCATION_BALCONY	130::22176
Location Room Panic room	Panic room	A panic room	MDC_AI_LOCATION_PANICROOM	130::22208
Location Room Terrace	Terrace	A terrace (0-31)	MDC_AI_LOCATION_TERRACE	130::22240
Location Room Roof	Roof	A roof	MDC_AI_LOCATION_ROOF	130::22272
Location Room Playroom	Playroom	A playroom	MDC_AI_LOCATION_PLAYROOM	130::22304

A.13.6 Second set of differentiating criteria, location, medical room

One semantic link is applied for this set of differentiating criteria.

A.13.6.1 Semantic link "locations:"

Applicable descriptors include the following:

— Location, medical room

A.13.6.2 Discriminator sets

This value denotes the location of a sensor. This location is a 16-bit value constructed where the high 11 bits are the MDC_AI_LOCATION and the lower 5 bits are the unique instance of that location. For example, the high 11 bits could be the value for waiting room and the lower 5 bits are the value for the instance of the waiting room. If only one instance of a location is defined, then the value of the unique instance shall be 0 and the base RefId shall be used (e.g., MDC_AI_LOCATION_WAITINGROOM). If more than one instance of a location is defined, then locations shall be numbered from 01 and the value 0 shall not be used. The RefId shall denote the unique instance as the number of that instance as the numeric suffix _nn (e.g., MDC_AI_LOCATION_WAITINGROOM_03).

A.13.6.3 Code table

Systematic derivations of terms and codes for medical room locations are outlined in Table A.13.6.3.1.

Table A.13.6.3.1—Nomenclature and codes AI locations, medical rooms (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Location Room Medical Waiting room	Waiting room	A patient waiting room (0-31)	MDC_AI_LOCATION_WAITINGROOM	130::35000
Location Room Medical Triage room	Triage room	A triage room (0-31)	MDC_AI_LOCATION_TRIAGEROOM	130::35032
Location Room Medical Office, doctor	Doctor's office	A doctor's office (0-31)	MDC_AI_LOCATION_DOCTORSOFFICE	130::35064
Location Room Medical Room, patient, private	Private patient's room	A private patient's room (0-31)	MDC_AI_LOCATION_PATIENTSPRIVATEROOM	130::35096
Location Room Medical Consultation room	Consultation room	A consultation room (0-31)	MDC_AI_LOCATION_CONSULTATIONROOM	130::35128
Location Room Medical Nurse station	Nurse station	A nurse station (0-31)	MDC_AI_LOCATION_NURSESTATION	130::35160
Location Room Medical Ward	Ward	A ward (0-31)	MDC_AI_LOCATION_WARD	130::35192
Location Room Medical Corridor	Corridor	A corridor (0-31)	MDC_AI_LOCATION_CORRIDOR	130::35224
Location Room Medical Operating theatre	Operating theatre	An operating theatre (0-31)	MDC_AI_LOCATION_OPERATINGTHEATRE	130::35256
Location Room Medical Dental surgery room	Dental surgery room	A dental surgery room (0-31)	MDC_AI_LOCATION_DENTALSURGERYROOM	130::35288
Location Room Medical Medical imaging room	Medical imaging room	A medical imaging room	MDC_AI_LOCATION_MEDICALIMAGINGROOM	130::35320
Location Room Medical Decontamination room	Decontamination room	A decontamination room	MDC_AI_LOCATION_DECONTAMINATIONROOM	130::35352
Location Room Medical ICU	ICU	An intensive care unit	MDC_AI_LOCATION_ICU	130::35384

Table A.13.6.3.1—Nomenclature and codes AI locations, medical rooms (multipage table)

Systematic name	Common term	Description/Definition	RefId	Part::Code
Location Room Medical CCU	CCU	A coronary care unit	MDC_AI_LOCATION_CCU	130::35416
Location Room Medical ER	ER	An emergency room	MDC_AI_LOCATION_ER	130::35448
Location Room Medical Observation ward	Observation ward	An observation ward	MDC_AI_LOCATION_OBSERVATIONW ARD	130::35480

A.13.7 Second set of differentiating criteria, location, doors and windows

One semantic link is applied for this set of differentiating criteria.

A.13.7.1 Semantic link "/locations": "

Applicable descriptors include the following:

- Location, doors and windows

A.13.7.2 Discriminator sets

This value denotes the location of a sensor. This location is a 16-bit value constructed where the high 11 bits are the MDC_AI_LOCATION and the lower 5 bits are the unique instance of that location. For example, the high 11 bits could be the value for window and the lower 5 bits are the value for the instance of the window. If only one instance of a location is defined, then the value of the unique instance shall be 0 and the base RefId shall be used (e.g., MDC_AI_LOCATION_WINDOW). If more than one instance of a location is defined, then locations shall be numbered from 01 and the value 0 shall not be used. The RefId shall denote the unique instance as the number of that instance as the numeric suffix _nn (e.g., MDC_AI_LOCATION_WINDOW_03).

A.13.7.3 Code table

Systematic derivations of terms and codes for locations, doors and windows, are outlined in Table A.13.7.3.1.

Table A.13.7.3.1—Nomenclature and codes AI locations, doors and windows

Systematic name	Common term	Description/definition	RefId	Part::Code
Location Door Front	Front door	The front door	MDC_AI_LOCATION_FRONTDOOR	130::9216
Location Door Back	Back door	The back door	MDC_AI_LOCATION_BACKDOOR	130::9280
Location Door Fridge	Fridge door	A fridge door (0-31)	MDC_AI_LOCATION_FRIDGEDOOR	130::9344
Location Door Medical cabinet	Medical cabinet door	A medical cabinet door	MDC_AI_LOCATION_MEDCABDOOR	130::9408
Location Door Wardrobe	Wardrobe door	A wardrobe door (0-31)	MDC_AI_LOCATION_WARDOBEDOOR	130::9472
Location Door Cupboard	Cupboard door	A cupboard door (0-31)	MDC_AI_LOCATION_FRONTCUPBOARDDOOR	130::9536
Location Door Other	Other door	Another type of door	MDC_AI_LOCATION_OTHERDOOR	130::9600
Location Door Side	Side door	The side door	MDC_AI_LOCATION_SIDEDOOR	130::9632
Location Window, number, low	Window	A window (0-31)	MDC_AI_LOCATION_WINDOW	130::9664
Location Window, number, mid	Window	A window (32-63)	MDC_AI_LOCATION_WINDOW_MID	130::9696
Location Window, number, high	Window	A window (64-95)	MDC_AI_LOCATION_WINDOW_HIGH	130::9728

A.13.8 Second set of differentiating criteria, location, furniture

One semantic link is applied for this set of differentiating criteria.

A.13.8.1 Semantic link "locations:"

Applicable descriptors include the following:

— Location, furniture

A.13.8.2 Discriminator sets

This value denotes the location of a sensor. This location is a 16-bit value constructed where the high 11 bits are the MDC_AI_LOCATION and the lower 5 bits are the unique instance of that location. For example, the high 11 bits could be the value for bed and the lower 5 bits are the value for the instance of the bed. If only one instance of a location is defined, then the value of the unique instance shall be 0 and the base RefId shall be used (e.g., MDC_AI_LOCATION_BED). If more than one instance of a location is defined, then locations shall be numbered from 01 and the value 0 shall not be used. The RefId shall denote the unique instance as the number of that instance as the numeric suffix _mn (e.g., MDC_AI_LOCATION_BED_03).

A.13.8.3 Code table

Systematic derivations of terms and codes for furniture are outlined in Table A.13.8.3.1.

Table A.13.8.3.1—Nomenclature and codes for AI locations, furniture

Systematic name	Common term	Description/definition	RefId	Part::Code
Location Furniture Bed	Bed	A bed (0-31)	MDC_AI_LOCATION_BED	130::11264
Location Furniture Chair	Chair	A chair (0-31)	MDC_AI_LOCATION_CHAIR	130::11328
Location Furniture Sofa	Sofa	A sofa (0-31)	MDC_AI_LOCATION_SOFA	130::11392
Location Furniture Toilet seat	Toilet seat	A toilet seat (0-31)	MDC_AI_LOCATION_TOILET_SEAT	130::11456
Location Furniture Stool	Stool	A stool (0-31)	MDC_AI_LOCATION_STOOL	130::11520
Location Furniture Armchair	Armchair	An armchair (0-31)	MDC_AI_LOCATION_ARMCHAIR	130::11552
Location Furniture Desk	Desk	A desk (0-31)	MDC_AI_LOCATION_DESK	130::11584
Location Furniture Swing	Swing	A swing (0-31)	MDC_AI_LOCATION_SWING	130::11616
Location Furniture Table	Table	A table (0-31)	MDC_AI_LOCATION_TABLE	130::11648
Location Furniture Cupboard	Cupboard	A cupboard (0-31)	MDC_AI_LOCATION_CUPBOARD	130::11680
Location Furniture Wheelchair	Wheelchair	A wheelchair (0-31)	MDC_AI_LOCATION_WHEELCHAIR	130::11712

A.13.9 Second set of differentiating criteria, location, appliance

One semantic link is applied for this set of differentiating criteria.

A.13.9.1 Semantic link "appliances:"

Applicable descriptors include the following:

— Appliance

A.13.9.2 Discriminator sets

This value denotes the location of a sensor. This location is a 16-bit value constructed where the high 11 bits are the MDC_AI_LOCATION and the lower 5 bits are the unique instance of that appliance. For example, the high 11 bits could be the value for television and the lower 5 bits are the value for the instance of the television. If only one instance of a location is defined, then the value of the unique instance shall be 0 and the base RefId shall be used (e.g., MDC_AI_LOCATION_TELEVISION). If more than one instance of a location is defined, then locations shall be numbered from 01 and the

value 0 shall not be used. The RefId shall denote the unique instance as the number of that instance as the numeric suffix _nn (e.g., MDC_AI_LOCATION_TELEVISION_03).

A.13.9.3 Code table

Systematic derivations of terms and codes for appliances are outlined in Table A.13.9.3.1.

Table A.13.9.3.1—Nomenclature and codes for AI locations, appliances (multipage table)

Systematic name	Common term	Description/definition	RefId	Part::Code
Location Appliance Kettle	Kettle	A kettle (0-31)	MDC_AI_APPLIANCE_KETTLE	130::7168
Location Appliance Television	Television	A television (0-31)	MDC_AI_APPLIANCE_TELEVISION	130::7232
Location Appliance Stove	Stove	A stove (0-31)	MDC_AI_APPLIANCE_STOVE	130::7296
Location Appliance Microwave	Microwave	A microwave (0-31)	MDC_AI_APPLIANCE_MICROWAVE	130::7360
Location Appliance Toaster	Toaster	A toaster (0-31)	MDC_AI_APPLIANCE_TOASTER	130::7424
Location Appliance Vacuum	Vacuum	A vacuum (0-31)	MDC_AI_APPLIANCE_VACUUM	130::7488
Location Appliance Appliance	Appliance	An appliance with no specific code	MDC_AI_APPLIANCE_APPLIANCE	130::7552
Location Appliance Faucet	Faucet	A faucet (0-31)	MDC_AI_APPLIANCE_FAUCET	130::7616
Location Appliance Oven	Oven	An oven (0-31)	MDC_AI_APPLIANCE_OVEN	130::7648
Location Appliance Fridge	Fridge	A fridge (0-31)	MDC_AI_APPLIANCE_FRIDGE	130::7680
Location Appliance Coffeemaker	Coffeemaker	A coffee maker (0-31)	MDC_AI_APPLIANCE_COFFEEMAKER	130::7712
Location Appliance Dishwasher	Dishwasher	A dishwasher (0-31)	MDC_AI_APPLIANCE_DISHWASHER	130::7744
Location Appliance Can opener	Can opener	A can opener (0-31)	MDC_AI_APPLIANCE_CANOPENER	130::7776
Location Appliance Food processor	Food processor	A food processor (0-31)	MDC_AI_APPLIANCE_FOODPROCESSOR	130::7808
Location Appliance Mixer	Mixer	A food mixer (0-31)	MDC_AI_APPLIANCE_MIXER	130::7840
Location Appliance Extractor fan	Extractor fan	An extractor fan (0-31)	MDC_AI_APPLIANCE_EXTRACTORFAN	130::7872
Location Appliance Heater	Heater	A heater (0-31)	MDC_AI_APPLIANCE_HEATER	130::7904
Location Appliance Boiler	Boiler	A boiler (0-31)	MDC_AI_APPLIANCE_BOILER	130::7936
Location Appliance Fan	Fan	A fan (0-31)	MDC_AI_APPLIANCE_FAN	130::7968
Location Appliance Air conditioning	Air conditioner	An air conditioner (0-31)	MDC_AI_APPLIANCE_AIRCON	130::8000
Location Appliance Light	Light	A light (0-31)	MDC_AI_APPLIANCE_LIGHT	130::8032
Location Appliance Light switch	Light switch	A light switch (0-31)	MDC_AI_APPLIANCE_LIGHTSWITCH	130::8064
Location Appliance Lamp	Lamp	A lamp (0-31)	MDC_AI_APPLIANCE_LAMP	130::8096

Table A.13.9.3.1—Nomenclature and codes for AI locations, appliances (multipage table)

Systematic name	Common term	Description/definition	RefId	Part::Code
Location Appliance Computer	Computer	A computer (0-31)	MDC_AI_APPLIANCE_COMPUTER	130::8128
Location Appliance Monitor	Monitor	A computer monitor (0-31)	MDC_AI_APPLIANCE_MONITOR	130::8160
Location Appliance Printer	Printer	A printer (0-31)	MDC_AI_APPLIANCE_PRINTER	130::8192
Location Appliance Washing machine	Washing machine	A washing machine (0-31)	MDC_AI_APPLIANCE_WASHINGMACHINE	130::8224
Location Appliance House	House	The house	MDC_AI_APPLIANCE_HOUSE	130::8256
Location Appliance Gateway	Gateway	A telehealth gateway	MDC_AI_APPLIANCE_GATEWAY	130::8288
Location Appliance Shower	Shower	A shower	MDC_AI_APPLIANCE_SHOWER	130::8320
Location Appliance Tap, bathroom	Bathroom tap	A bathroom tap	MDC_AI_APPLIANCE_BATHROOMTAP	130::8352
Location Appliance Tap, kitchen	Kitchen tap	A kitchen tap	MDC_AI_APPLIANCE_KITCHENTAP	130::8384
Location Appliance Telephone	Telephone	A telephone	MDC_AI_APPLIANCE_TELEPHONE	130::8416
Location Appliance Entryphone	Entryphone	An entry phone	MDC_AI_APPLIANCE_ENTRYPHONE	130::8448
Location Appliance Modem	Modem	A modem	MDC_AI_APPLIANCE_MODEM	130::8480
Location Appliance PC, tablet	Tablet PC	A tablet PC	MDC_AI_APPLIANCE_TABLETPC	130::8512
Location Appliance Cell phone	Cell phone	A cell phone	MDC_AI_APPLIANCE_CELLPHONE	130::8544
Location Appliance Blender	Blender	A blender	MDC_AI_APPLIANCE_BLENDER	130::8576
Location Appliance Juicer	Juicer	A juicer	MDC_AI_APPLIANCE_JUICER	130::8608
Location Appliance Outlet socket	Outlet socket	A power outlet socket	MDC_AI_APPLIANCE_OUTLET	130::8640
Location Appliance Radiator	Radiator	A radiator	MDC_AI_APPLIANCE_RADIATOR	130::8672

A.13.10 Third set of differentiating criteria, AI events

One semantic link is applied for this set of differentiating criteria.

A.13.10.1 Semantic link "Event:"

Applicable descriptors include the following:

— Event

A.13.10.2 Code table

Systematic derivations of terms and codes for general locations are outlined in Table A.13.10.2.1.

Table A.13.10.2.1—Nomenclature and codes for AI events (multipage table)

Systematic name	Common term	Description/definition	RefId	Part::Code
Event Presence regained	Presence regained	The heartbeat signal from a sensor has been detected following a period of loss	MDC_AI_EVT_PRESENCE_REGAINED	130::55000
Event Presence lost	Presence lost	The heartbeat signal from a sensor has been lost	MDC_AI_EVT_PRESENCE_LOST	130::55001
Event Low battery	Low battery	The battery voltage in a sensor is detected as being low	MDC_AI_EVT_LOW_BATTERY	130::55002
Event Battery replaced	Battery replaced	The battery voltage in a sensor is detected as being normal	MDC_AI_EVT_BATTERY_REPLACED	130::55003
Event Fault	Fault	A fault has been detected on a sensor	MDC_AI_EVT_FAULT	130::55004
Event Fault cleared	Fault cleared	The fault on a sensor has cleared	MDC_AI_EVT_FAULT_CLEARED	130::55005
Event Sensor end of life	Sensor end of life	A sensor has indicated it has reached its end of life	MDC_AI_EVT_END_OF_LIFE	130::55006
Event Tamper detected	Tamper detected	A sensor has detected it has been tampered	MDC_AI_EVT_TAMPER_DETECTED	130::55007
Event Stumble detected	Stumble detected	A fall detector has detected a stumble	MDC_AI_EVT_STUMBLE_DETECTED	130::55020
Event Fall detected	Fall detected	A fall detector has detected a fall	MDC_AI_EVT_FALL_DETECTED	130::55021
Event Fall recovery detected	Fall recovery detected	A fall detector has detected that a person has recovered from a fall	MDC_AI_EVT_FALL_RECOVERY_DETECTED	130::55022
Event PERS activated	PERS activated	The button of a PERS sensor has been activated	MDC_AI_EVT_PERS_ACTIVATED	130::55030
Event PERS reset	PERS reset	The button of a PERS sensor has been reset	MDC_AI_EVT_PERS_RESET	130::55031
Event Condition detected	Condition detected	The condition of a sensor has been detected	MDC_AI_EVT_CONDITION_DETECTED	130::55040

Table A.13.10.2.1—Nomenclature and codes for AI events (multipage table)

Systematic name	Common term	Description/definition	RefId	Part::Code
Event Condition cleared	Condition cleared	The condition of a sensor has been cleared	MDC_AI_EVT_CONDITION_CLEARED	130::55041
Event Motion detected	Motion detected	Motion has been detected	MDC_AI_EVT_MOTION_DETECTED	130::55050
Event Motion delayed detected	Motion delayed detected	A period of sustained motion has been detected	MDC_AI_EVT_MOTION_DETECTED_DELAYED	130::55051
Event Motion ended	Motion ended	A period of sustained motion has ended	MDC_AI_EVT_MOTION_ENDED	130::55052
Event Occupant exit property	Occupant exit property	An occupant has left the property	MDC_AI_EVT_OCCUPANT_EXIT_PROPERTY	130::55060
Event Occupant enter property	Occupant enter property	An occupant has entered the property	MDC_AI_EVT_OCCUPANT_ENTER_PROPERTY	130::55061
Event Exit door open	Exit door open	An exit door has been left open	MDC_AI_EVT_EXIT_DOOR_OPEN	130::55062
Event Exit door closed	Exit door closed	An exit door has been closed	MDC_AI_EVT_EXIT_DOOR_CLOSED	130::55063
Event Exit boundary	Exit boundary	A sensor has moved out of a defined boundary	MDC_AI_EVT_EXIT_BOUNDARY	130::55064
Event Enter boundary	Enter boundary	A sensor has moved into a defined boundary	MDC_AI_EVT_ENTER_BOUNDARY	130::55065
Event Enuresis detected	Enuresis detected	Enuresis has been detected	MDC_AI_EVT_ENURESIS_DETECTED	130::55070
Event Enuresis cleared	Enuresis cleared	Enuresis has been cleared	MDC_AI_EVT_ENURESIS_CLEARED	130::55071
Event Contact closed	Contact closed	A contact has been closed	MDC_AI_EVT_CONTACT_CLOSED	130::55080
Event Contact opened	Contact opened	A contact has been opened	MDC_AI_EVT_CONTACT_OPENED	130::55081
Event Usage started	Usage started	The usage of an appliance has started	MDC_AI_EVT_USAGE_STARTED	130::55090
Event Usage ended	Usage ended	The usage of an appliance has ended	MDC_AI_EVT_USAGE_ENDED	130::55091
Event Use start violation	Use start violation	The usage of an appliance has started unexpectedly	MDC_AI_EVT_USE_START_VIOLATION	130::55092
Event Use stop violation	Use stop violation	The usage of an appliance has ended unexpectedly	MDC_AI_EVT_USE_STOP_VIOLATION	130::55093
Event Absence violation	Absence violation	The expected usage of an appliance has not started	MDC_AI_EVT_ABSENCE_VIOLATION	130::55094
Event Switch on	Switch on	An appliance has been switched on	MDC_AI_EVT_SWITCH_ON	130::55100
Event Switch off	Switch off	An appliance has been switched off	MDC_AI_EVT_SWITCH_OFF	130::55101
Event Dosage taken	Dosage taken	Medication has been taken	MDC_AI_EVT_DOSAGE_TAKEN	130::55110
Event Dosage missed	Dosage missed	Medication has not been taken within a specified time limit	MDC_AI_EVT_DOSAGE_MISSED	130::55111
Event Dosage empty	Dosage empty	A medication dispenser is empty	MDC_AI_EVT_DOSAGE_EMPTY	130::55112

Table A.13.10.2.1—Nomenclature and codes for AI events (multipage table)

Systematic name	Common term	Description/definition	RefId	Part::Code
Event Temperature, high, detected	High temperature detected	A temperature iabove the high threshold has been detected	MDC_AI_EVT_HIGH_TEMP_DETECTE D	130::55120
Event Temperature, low, detected	Low temperature detected	A temperature below the low threshold has been detected	MDC_AI_EVT_LOW_TEMP_DETECTED	130::55121
Event Temperature, normal , detected	Normal temperature detected	The temperature has returned within normal limits	MDC_AI_EVT_NORMAL_TEMP_DETE TED	130::55122
Event Temperature, change, too fast, detected	Temperate change too fast detected	The temperatue is changing too rapidly	MDC_AI_EVT_TEMP_CHANGE_TOO_F AST	130::55123
Event Humidity, high, detected	High humidity detected	A humidity above the high threshold has been detected	MDC_AI_EVT_HIGH_HUMIDITY_DETE CTED	130::55130
Event Humidity, normal, detected	Normal humidity detected	The humidity has returned within normal limits	MDC_AI_EVT_NORMAL_HUMIDITY_DE TECTED	130::55131
Event At location	At location	A sensor is detected to be at its designated location	MDC_AI_EVT_AT_LOCATION	130::55140
Event Not at location	Not at location	A sensor is detected to be no longer at its designated location	MDC_AI_EVT_NOT_AT_LOCATION	130::55141

A.13.11 First set of differentiating criteria, sensors, medication dispenser

One semantic link is applied for this set of differentiating criteria.

A.13.11.1 Semantic link "Sensors: "

Applicable descriptors include the following:

— Sensors, medication dispenser

A.13.11.2 Discriminator sets

This value denotes the type of sensor.

A.13.11.3 Code table

Systematic derivations of terms and codes for medication dispenser are outlined in Table A.13.11.3.1.

Table A.13.11.3.1—Nomenclature and codes AI medication dispenser

Systematic name	Common term	Description/definition	RefId	Part::Code
Sensor dosage dispensed, fixed		Fixed-dosage dispensed	MDC_AI_MED_DISPENSED_FIXED	130::13312
Sensor dosage dispensed, variable		Variable-dosage dispensed	MDC_AI_MED_DISPENSED_VARIABLE	130::13313
Sensor status medication monitor		Medication monitor status	MDC_AI_MED_STATUS	130::13314
Sensor user feedback		User feedback	MDC_AI_MED_FEEDBACK	130::13315
Sensor user feedback location		User feedback - location	MDC_AI_MED_UF_LOCATION	130::13316
Sensor user feedback response		User feedback - response	MDC_AI_MED_UF_RESPONSE	130::13317
Sensor user feedback yes,no		User feedback type - yes/no	MDC_AI_MED_UF_TYPE_YESNO	130::13318
Sensor user feedback interval 1-5		User feedback type - interval 1-5	MDC_AI_MED_UF_TYPE_1_5	130::13319
Sensor user feedback interval 1-100		User feedback type - interval 1-100	MDC_AI_MED_UF_TYPE_1_100	130::13320

A.14 Nomenclature for error return codes (Partition 255)**A.14.1 Base concepts**

This clause documents the error return codes that are defined for use in CMIP in IEEE Std 11073-20101 and IEEE Std 11073-20601 and are included in the ROERapdu.

An action may not complete and shall indicate an error has occurred as response. An error code may be included in the response.

A.14.2 First set of differentiating criteria

The first semantic link is based on the concept of an error return code.

A.14.2.1 Semantic link "has error: "

Applicable descriptors include the following:

- **CMIP error**
- **Busy**
- **Storage error**

A.14.3 Code table

See Table A.14.3.1 for the nomenclature and codes for error return codes.

Table A.14.3.1—Nomenclature for error return codes (multipage table)

Description/Definition	RefId	Part::Code
noSuchObjectClass	MDC_RET_CODE_NOOSUCHOBJECTCLASS	255::0
noSuchObjectInstance	MDC_RET_CODE_NOSUCHOBJECTINSTANCE	255::1
accessDenied	MDC_RET_CODE_ACCESSDENIED	255::2
noSuchAttribute	MDC_RET_CODE_NOSUCHATTRIBUTE	255::5
invalidAttributeValue	MDC_RET_CODE_INVALIDATTRIBUTEVALUE	255::6
getListError	MDC_RET_CODE_GETLISTERROR	255::7
setListError	MDC_RET_CODE_SETLISTERROR	255::8
noSuchAction	MDC_RET_CODE_NOSUCHACTION	255::9
processingFailure	MDC_RET_CODE_PROCESSINGFAILURE	255::10
duplicateManagedObjectInstance	MDC_RET_CODE_DUPLICATEMANAGEDOBJECTIN STANCE	255::11
noSuchEventType	MDC_RET_CODE_NOSUCHEVENTTYPE	255::13
noSuchArgument	MDC_RET_CODE_NOSUCHARGUMENT	255::14
invalidArgumentValue	MDC_RET_CODE_INVALIDARGUMENTVALUE	255::15
invalidScope	MDC_RET_CODE_INVALIDSCOPE	255::16
invalidObjectInstance	MDC_RET_CODE_INVALIDOBJECTINSTANCE	255::17
missingAttributeValue	MDC_RET_CODE_MISSINGATTRIBUTEVALUE	255::18
classInstanceConflict	MDC_RET_CODE_CLASSINSTANCECONFLICT	255::19
mistypedOperation	MDC_RET_CODE_MISTYPEDOPERATION	255::21

Table A.14.3.1—Nomenclature for error return codes (*multipage table*)

Description/Definition	RefId	Part::Code
noSuchInvokeId	MDC_RET_CODE_NOSUCHINVOKEID	255::22
Object is busy so cannot handle the request	MDC_RET_CODE_OBJ_BUSY	255::1000
Storage such as disk is full	MDC_RET_CODE_STORE_EXH	255::2000
Storage such as disk is offline	MDC_RET_CODE_STORE_OFFLN	255::2001
Generic error code	MDC_RET_CODE_UNKNOWN	255::9999

A.14.4 Withdrawn terms for error return codes

Certain terms for error return codes have been withdrawn. These are listed in Table A.14.4.1.

Table A.14.4.1—Withdrawn nomenclature for error return codes

Description/Definition/Use	RefId	Part::Code
Withdrawn due to conflict, use 255::9999	MDC_RET_CODE_UNKNOWN	255::1

A.15 Nomenclature, data dictionary, and codes for external nomenclatures and messaging standards (Partition 256)**A.15.1 Introduction**

Diagnostics and procedures are not included in the scope of this standard and hence in the nomenclature in Annex A. On the other hand, such information may be necessary, especially in an archival scenario. In the Patient Package in the DIM, provision is made for using external nomenclature for diagnostic and procedural codes. Table A.15.7.1 defines codes for definition of such external references. It is an arbitrary list to be updated if necessary. The systematic name is for similarity to other tables only. A classification of the nomenclatures is not intended.

A.15.2 Base concepts

The base concept defines the type of the information, here a term in an external nomenclature:

— Term

A.15.3 First set of differentiating criteria

The second field of the systematic name refers in general to the measurement features. The name of the nomenclature is used as a descriptor in this field in most cases.

A.15.3.1 Semantic link "*has specification*": "

Applicable descriptors are as follows:

- ARDEN
- ASTM_E1238
- ASTM_E1394-91
- ASTM_E1467-94
- CPT
- DRG
- DSM-III-R
- GALEN
- GRAIL
- HL7
- ICD-9
- ICD-10
- ICPM
- ICPM-GE
- IEEE 11073-10101
- IEEE 11073-10102
- IEEE 11073-10103
- LOINC
- MeSH
- Minnesota
- NANDA
- NIC

- NNN
- NOC
- NOS
- OPCS-4
- READ
- SCP
- SNOMED
- UMLS
- VESKA

A.15.4 Second set of differentiating criteria

The third field of the systematic name describes in general the target of measurement, here an area for which the external nomenclature is used.

A.15.4.1 Semantic link "*concerns*:"

More than one descriptor is possible, as follows:

- ClinicalInstruments
- ClinicalObservations
- Diagnoses
- ECG
- Inventions
- MentalDisorders
- Nursing
- Outcome
- Procedures
- RelatedGroups

A.15.5 Third set of differentiating criteria

The fourth field in the systematic name holds information about the context. In this case, the term specifies an external nomenclature.

A.15.5.1 Semantic link "*has context*:"

Only one descriptor is applicable:

- ExternalNomenclature

A.15.6 Discriminator

A discriminator of VER(64) may be applied to the term code to indicate a specific version of the standard. Where VER(0) is applied, it shall indicate the most recent version of the standard.

A.15.7 Code table

See Table A.15.7.1 for the nomenclature and codes for external nomenclatures and messaging standards.

Table A.15.7.1—Nomenclature and codes for external nomenclatures and messaging standards (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part:Code
Term SNOMED ExternalNomenclature	SNOMED	SNOMED	Systematized Nomenclature of Medicine	MDC_EXT_NOM_SNOME D	256::1
Term UMLS ExternalNomenclature	Unified Medical Language System	UMLS	Unified Medical Language System, Version 1.6	MDC_EXT_NOM_UMLS	256::64
Term MeSH ExternalNomenclature	MeSH	MeSH	US National Library of Medicine - Medical Subject Headings	MDC_EXT_NOM_MeSH	256::128
Term LOINC ExternalNomenclature	LOINC code	LOINC	Logical Observation Identifier Names and Codes (LOINC)	MDC_EXT_NOM_LOINC	256::192
Term HL7 ExternalNomenclature	HL7	HL7	Health Level 7	MDC_EXT_NOM_HL7	256::256
Term READ ExternalNomenclature	READ code	READ	READ coded clinical terms, Read J.D.	MDC_EXT_NOM_READ	256::320
Term ICD-9 Diagnoses ExternalNomenclature	ICD-9	ICD-9	International Classification of Diseases - 9th Clinical Modification	MDC_EXT_NOM_ICD_9	256::384
Term ICD-10 Diagnoses ExternalNomenclature	ICD-10	ICD-10	International Classification of Diseases and Health Related Problems, 10th Revision	MDC_EXT_NOM_ICD_10	256::385
Term NNN Diagnoses ExternalNomenclature	NNN	NNN	Neurologic-Neurosurgical-Neuropathologic Diagnosis Catalogue, Revision 1994 (Neurologisch-neurochirurgisch- neuropathologisches Diagnosenverzeichnis, Deutsche Gesellschaft für Neurologie, für Neurochirurgie, für Neuropathologie und Neuroanatomie)	MDC_EXT_NOM_NNN	256::448
Term Minnesota Diagnoses, ECG ExternalNomenclature	Minnesota code	MC	Minnesota ECG diagnosis code (Classification system for ECG), University of Minnesota, U.S.A.	MDC_EXT_NOM_MC	256::512
Term SCP Diagnoses, ECG ExternalNomenclature	SCP code	SCP	SCP-ECG	MDC_EXT_NOM_SCP	256::576
Term NIC Nursing, Interventions ExternalNomenclature	NIC	NIC	Nursing Interventions Classification - University of Iowa College of Nursing	MDC_EXT_NOM_NIC	256::640
Term NOC Nursing, Outcome ExternalNomenclature	NOC	NOC	Nursing Outcomes Classification - University of Iowa College of Nursing	MDC_EXT_NOM_NOC	256::704
Term ICPM Procedures ExternalNomenclature	ICPM	ICPM	International Classification of Procedures in Medicine	MDC_EXT_NOM_ICPM	256::768
Term ICPM-GE Procedures ExternalNomenclature	ICPM-GE	ICPM-GE	International Classification of Procedures in Medicine, German Edition	MDC_EXT_NOM_ICPM_G E	256::832

Table A.15.7.1—Nomenclature and codes for external nomenclatures and messaging standards (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part::Code
Term VESKA Procedures ExternalNomenclature	VESKA procedure	VESKA	Procedure code of VESKA (Association of Swiss Hospitals, Vereinigung Schweizerischer Krankenhäuser)	MDC_EXT_NOM_VESKA	256::896
Term ASTM_E1394-91 ClinicalInstruments ExternalNomenclature	ASTM E1394	ASTM E1394-91	American Society of Testing and Materials, Standard Specification for ASTM E1394-91 Transferring Information Between Clinical Instruments and Computer Systems	MDC_EXT_NOM_ASTM_E 1394_91	256::960
Term ASTM_E1238 ClinicalObservations ExternalNomenclature	ASTM E1238	ASTM E1238	American Society of Testing and Materials, Specification for Transferring Clinical Observations Between Independent Computer Systems	MDC_EXT_NOM_ASTM_E 1238	256::1024
Term DSM-IIIR MentalDisorders ExternalNomenclature	DSM-IIIR	DSM-IIIR	Diagnostic and Statistical Manual of Mental Disorders, American Psychiatric Association	MDC_EXT_NOM_DSM_IIIR	256::1088
Term DRG Diagnoses, RelatedGroups ExternalNomenclature	Diagnosis- related groups	DRG	Diagnosis-related groups	MDC_EXT_NOM_DRG	256::1152
Term NANDA Diagnoses, Nursing ExternalNomenclature	NANDA	NANDA	North American Nursing Diagnosis Association nursing diagnosis taxonomy	MDC_EXT_NOM_NANDA	256::1216
Term GALEN ExternalNomenclature	GALEN	GALEN	Generalized Architecture for Languages, Encyclopedias, and Nomenclatures in Medicine, EC AIM Project	MDC_EXT_NOM_GALEN	256::1280
Term GRAIL ExternalNomenclature	GRAIL	GRAIL	GALEN Representation and Integration Language, EC AIM Project	MDC_EXT_NOM_GRAIL	256::1344
Term ASTM_E1467-94 Neurophysiology ExternalNomenclature	ASTM E1467	ASTM E1467-94	American Society of Testing and Materials, Standard Specification for E1467-94 Transferring Digital Neurophysiological Data Between Independent Computer Systems	MDC_EXT_NOM_ASTM_E 1467_94	256::1408
Term CPT Procedures ExternalNomenclature	CPT	CPT	Physician's Current Procedural Terminology	MDC_EXT_NOM_CPT	256::1472
Term OPCS-4 Procedures ExternalNomenclature	OPCS-4	OPCS-4	Classification of Surgical Operations and Procedures, 4th Revision, The Office of Population Censuses and Surveys, UK	MDC_EXT_NOM_OPCS_4	256::1536
Term ARDEN KnowledgeBase ExternalNomenclature	Arden Syntax	ASTM E1460-92	American Society of Testing and Materials, Standard Specification for ASTM E1460-92 Defining and Sharing Modular Health Knowledge Bases (Arden Syntax for Medical Logic Systems)	MDC_EXT_NOM_ASTM_E 1460_92	256::1600

Table A.15.7.1—Nomenclature and codes for external nomenclatures and messaging standards (multipage table)

Systematic name	Common term	Acronym	Description/Definition	RefId	Part:Code
Term IEEE 11073-10101 ExternalNomenclature	IEEE 11073- 10101	IEEE 11073- 10101	IEEE Std 11073-10101, Health informatics— Point-of-care medical device communication— Part 10101: Nomenclature	MDC_EXT_NOM_IEEE_11 073_10101	256::11072
Term IEEE 11073-10102 ExternalNomenclature	IEEE 11073- 10102	IEEE 11073- 10102	IEEE Std 11073-10102, Health informatics— Point-of-care medical device communication— Part 10102: Nomenclature—Annotated ECG	MDC_EXT_NOM_IEEE_11 073_10102	256::11136
Term IEEE 11073-10103 ExternalNomenclature	IEEE 11073- 10103	IEEE 11073- 10103	IEEE Std 11073-10103, Health informatics— Point-of-care medical device communication— Part 10103: Nomenclature—implantable device, cardiac	MDC_EXT_NOM_IEEE_11 073_10103	256::11200
Term NOS ExternalNomenclature	NOS	NOS	Not otherwise specified	MDC_EXT_NOM_NOS	256::61439

A.16 Information attributes to support IHE PCD DEC and PCHA/Continua Services Interface (Partition 1 and Partition 8)

This clause defines information attributes to support the Integrating the Healthcare Enterprise Patient Care Devices (IHE PCD) domain Device to Enterprise (DEC) Technical Framework and the Personal Connected Health Alliance (PCHA, formerly Continua) interface (the “PCHA/Continua Services Interface”) that uses the IHE PCD DEC Technical Framework.

A.16.1 Information attributes to support IHE PCD Alert Communication Management

Several information attributes are defined to support the IHE PCD DEC Alert Communication Management (ACM) profile. These have been assigned to the MDC_PART_OBJ partition (1).

Table A.16.1.1—IHE PCD Alert Communication Management attributes

Mnemonic	Description/Definition	RefId	Part::Code
Source identification	Identifies the physiological measurement or technical source responsible for the alert	MDC_ATTR_ALERT_SOURCE	1::2944
Event phase	Specifies whether this message is the beginning, end or other state or state transition for the alert	MDC_ATTR_EVENT_PHASE	1::2945
Alert state	Indicates the state of the underlying alert condition at the patient care device	MDC_ATTR_ALARM_STATE	1::2946
Inactivation state	Indicates whether visual or aural indications at the patient care device are inactivated	MDC_ATTR_ALARM_INACTIVATION_STATE	1::2947
Priority	Alert priority	MDC_ATTR_ALARM_PRIORITY	1::2948
Type	Alert type	MDC_ATTR_ALERT_TYPE	1::2949
	Equipment event transition phase	MDC_ATTR_EQUIP_PHASE	1::2950

A.16.2 Notification attributes to support IHE PCD Alert Communication Management

Several information notifications are defined to support the IHE PCD DEC Alert Communication Management (ACM) profile. These have been assigned to the MDC_PART_OBJ partition (1).

Table A.16.2.1—IHE PCD Alert Communication Management Notifications

Mnemonic	Description/Definition	RefId	Part::Code
	Returns the status of a command as a structured text string	MDC_NOTI_CMD_STATUS	1::3374

A.16.3 Infrastructure attributes to support PCHA/Continua Services Interface and IHE PCD DEC

Several information attributes are defined to support the PCHA/Continua Services Interface and IHE PCD DEC interfaces. These have been assigned to the MDC_PART_INFRA partition (8).

Table A.16.3.1—Continua Services Interface infrastructure attributes

Description/Definition	RefId	Part::Code
Start of Infrastructure Harmonization range for Continua Services Interface	MDC_INFRA_HARMONIZATION_CONTINUA	8::7680
The model number sub-element of the MDC_ATTR_ID_MODEL attribute	MDC_ID_MODEL_NUMBER	8::7681
The manufacturer sub-element of the MDC_ATTR_ID_MODEL attribute	MDC_ID_MODEL_MANUFACTURER	8::7682
The unspecified component id group of the MDC_ATTR_ID_PROD_SPECN attribute	MDC_ID_PROD_SPEC_UNSPECIFIED	8::7683
The serial-number component id group of the MDC_ATTR_ID_PROD_SPECN attribute	MDC_ID_PROD_SPEC_SERIAL	8::7684
The part-number component id group of the MDC_ATTR_ID_PROD_SPECN attribute	MDC_ID_PROD_SPEC_PART	8::7685
The hardware-revision component id group of the MDC_ATTR_ID_PROD_SPECN attribute	MDC_ID_PROD_SPEC_HW	8::7686
The software-revision component id group of the MDC_ATTR_ID_PROD_SPECN attribute	MDC_ID_PROD_SPEC_SW	8::7687
The firmware-revision component id group of the MDC_ATTR_ID_PROD_SPECN attribute	MDC_ID_PROD_SPEC_FW	8::7688
The protocol-revision component id group of the MDC_ATTR_ID_PROD_SPECN attribute	MDC_ID_PROD_SPEC_PROTOCOL_REV	8::7689
The prod-spec-gmdn component id group of the MDC_ATTR_ID_PROD_SPECN attribute	MDC_ID_PROD_SPEC_GMDN	8::7690
Attribute that specifies the IEEE Std 11073-10104 SPO2 or Pulse Rate Modality as an enumeration of the following values: 150580*MDC_MODALITY_FAST*MDC or 150584*MDC_MODALITY_SLOW*MDC or 150588*MDC_MODALITY_SPOT*MDC"	MDC_MODALITY_AVERAGING_TIME	8::7691
Sample Array Flags used to help downstream consumers display the Real Time Sample Array (RTSA) SA-Value waveform	MDC_SA_SPECN_FLAGS	8::7692
Defines the MDS-level entity for a Continua Personal Health Gateway, formerly referred as "Application Hosting Device" (AHD).	MDC_MOC_VMS_MDS_AHD	8::7693
Regulation-Certification-Continua-Version (hypothetical decomposition of MDC_ATTR_REGCERT-DATALIST Continua Body Certified Device Version sub element)	MDC_REG_CERT_DATA_CONTINUA_VERSION	8::8064
Regulation-Certification-Continua-Certified-Device-List (hypothetical decomposition of MDC_ATTR_REGCERT-DATA-LIST Continua Body Certified Device List sub element)	MDC_REG_CERT_DATA_CONTINUA_CERT_D EV_LIST	8::8065
Regulation-Certification-Continua-Regulation-Status (hypothetical decomposition of MDC_ATTR_REGCERT-DATA-LIST Continua Body Regulation Status sub element)	MDC_REG_CERT_DATA_CONTINUA_REG_ST ATUS	8::8066
Regulation-Certification-Continua-AHD-Cert-List. Provides list of certification for a Continua Personal Health Gateway, formerly referred as "Application Hosting Device" (AHD).	MDC_REG_CERT_DATA_CONTINUA_AHD_CE RT_LIST	8::8067

A.16.4 Information attributes to support PCHA/Continua Services Interface

An additional attribute has been defined to support the PCHA/Continua Services Interface device certification list and has been assigned to the MDC_PART_OBJ partition (1).

Table A.16.4.1—Continua Services Interface information attributes

Description/Definition	RefId	Part::Code
Used in the Continua Services Interface to denote the certification authority body sub-element(s)	MDC_REG_CERT_DATA_AUTH_BODY	1::2682

A.16.5 Information attributes to support IHE PCD DEC and PCHA/Continua Services Interface timekeeping

Attributes are defined to support IHE PCD DEC and PCHA/Continua Services Interface time synchronization and timekeeping. These are assigned to the MDC_PART_OBJ partition (1) as information attributes. Terms defined by this standard are indicated by 'IHE/Continua' in the Ref column; related terms from IEEE Std 11073-20601-2014 and ISO/IEEE 11073-10101:2004 are also included to provide context.

Table A.16.5.1—IHE PCD and Continua Services Interface timekeeping information attributes (multipage table)

Attribute name	Description/Definition	RefId	Part::Code	Ref
TimeSyncProtocol	Specifies the time synchronization protocol (see Table A.10.4.3.1 for list of valid synchronization profiles).	MDC_TIME_SYNC_PROTOCOL	1::2684	IHE/Continua
TimeSyncAccuracy	Specifies the known or estimated accuracy of the device or system absolute or base-offset time relative to a reference time source such as NTP.	MDC_TIME_SYNC_ACCURACY	1::2685	IHE/Continua
MdsTimeCapState	Specifies the timekeeping capabilities of the device(s) and system. The MdsTimeCapState bit values are defined in IEEE Std 11073-20601.	MDC_TIME_CAP_STATE	1::2683	IHE/Continua
MdsTimeInfo	This attribute defines the time handling capabilities and the status of the MDS. Usage of this attribute is required if synchronization or settable time is supported.	MDC_ATTR_MDS_TIME_INFO	1::2629	20601
Relative-Time	Specifies the relative time value for system or device clock and derived objects (default 125 μ s resolution counter having an arbitrary start time and value).	MDC_ATTR_TIME_REL	1::2447	10101
HighRes-Relative-Time	Specifies the high-res relative time value for system or device clock and derived objects (default 1 μ s resolution counter having an arbitrary start time and value).	MDC_ATTR_TIME_REL_HI_RES	1::2536	10101
Absolute-Time	Specifies the absolute date and time for system or device clock and derived objects (resolution of up to 1/100 of a second, encoded as eight pairs of 4-bit BCD nibbles denoting the { century, year, month, day, hour, minute, second, seconds fractions }).	MDC_ATTR_TIME_ABS	1::2439	10101
BaseOffsetTime	Specifies the absolute date and time with local time-zone offset for system or device clock and derived objects expressed as a 64-bit value comprised of the 32-bit integer seconds, 16-bit fractional-seconds and signed 16-bit time-zone offset (in minutes).	MDC_ATTR_TIME_BO	1::2689	20601
AbsoluteTimeAdjust	This attribute reports any date and time adjustments that occur either due to a person's changing the clock or events such as daylight savings time. This is used in event reports only. If queried with Get MDS Object command, this value shall be not present or 0. If the agent ever adjusts the date and time, this attribute is used in an event report to report such adjustment.	MDC_ATTR_TIME_ABS_ADJUST	1::2658	20601
Relative-Time-Stamp	Relative time stamp value for observations and derived objects.	MDC_ATTR_TIME_STAMP_REL	1::2449	10101

Table A.16.5.1—IHE PCD and Continua Services Interface timekeeping information attributes (multipage table)

Attribute name	Description/Definition	RefId	Part::Code	Ref
HiRes-Time-Stamp	Hi-Res relative time stamp value for observations and derived objects.	MDC_ATTR_TIME_STAMP_REL_HI_RES	1::2537	10101
Tick-Resolution	This attribute defines the resolution (i.e., it specifies the number of ticks per second) of the unit of measure MDC_DIM_TICK.	MDC_ATTR_TICK_RES	1::2693	10406
Absolute-Time-Stamp	Absolute time stamp value for observations and derived objects.	MDC_ATTR_TIME_STAMP_ABS	1::2448	10101
BaseOffsetTimeStamp	Base-offset time stamp value for observations and derived objects.	MDC_ATTR_TIME_STAMP_BO	1::2690	20601
	Specifies the resolution of the relative clock (if not the default value of 125 us). For example, a clock that ticks at 1 s intervals would have a value of 8000.	MDC_TIME_RES_REL	1::2687	IHE/Continua
	Specifies the resolution of the high resolution relative clock (if not the default value of 1 µs). For example, a clock that ticks at 1 s intervals would have a value of 1000000.	MDC_TIME_RES_REL_HI_RES	1::2688	IHE/Continua
	Specifies the resolution of the absolute date-time clock (if not the default value of 1/100 s). For example, a clock that ticks at 1 s intervals would have a value of 100.	MDC_TIME_RES_ABS	1::2686	IHE/Continua
	Specifies the resolution of the base time clock, 0 if unknown, otherwise the number of 1/65536 s that elapse with each clock increment. The value of 0xFFFF is reserved to indicate an interval 1 s.	MDC_TIME_RES_BO	1::2703	IHE/Continua
	Specifies the four octet NTP "RefId" that identifies the clock reference source. This compact binary representation is dependent on the NTP version and NTP stratum of the clock reference source (IETF RFC 5905).	MDC_ATTR_TIME_NTP_REF_ID	1::2698	10101a
	Specifies, as a text string, the universally unique identifier of the timebase providing the clock reference source.	MDC_ATTR_TIME_TIMEBASE_ID	1::2699	10101a

A.16.6 Information attributes to support semantics defined by this standard

Additional attributes are defined to convey breathing circuit information and calculation methods. These are assigned to the MDC_PART_OBJ partition (1) as information attributes.

Table A.16.6.1—Breathing circuit attributes

DIM name	RefId	Derived from	Part::Code
Breathing-Circuit-List	MDC_ATTR_SITE_LIST_BREATHING_CKT	Metric and derived objects	1::2695
Breathing-Circuit-List	MDC_ATTR_SITE_LIST_BREATHING_CKT_EXT	Metric and derived objects	1::2697

Table A.16.6.2—Calculation method attribute

Attribute name	Attribute ID	Attribute type	Part::Code
Metric-Calc-Method	MDC_ATTR_METRIC_CALC_METHOD	Metric and derived objects	1::2701

A.16.7 Information attributes to support ECG semantics defined by this standard

Additional attributes are defined to convey ECG nomenclature information. These are assigned to the MDC_PART_OBJ partition (1) as information attributes.

Table A.16.7.1—ECG nomenclature attributes

DIM name	RefId	Derived from	Part::Code
ECG-Lead-Set	MDC_ATTR_ECG_LEAD_SET	Metric and derived objects – this takes codes from external nomenclature partition	1::2708

Annex B

(normative)

Nomenclature syntax

B.1 General

Codes in this annex that correspond with the codes defined in Annex A take on the semantic of that annex. Semantics of other codes are reserved to this annex.

The syntax defined in this annex shall not be normative unless a semantic corollary is specified in this standard. However, terms in this annex may be reorganized for presentation, e.g., into sequential code order, as appropriate to facilitate application programming.

Codes in this annex are organized by partition, and where appropriate by block. Codes are presented within each partition in sequential code order.

B.1.1 Notation

Listing entries are of the following form:

```
#define MDC_term code /* acronym */
```

where

#define	is the programming language symbol for a constant definition;
MDC_term	is the nomenclature symbol, or title;
code	is the decimal number code, which is in the range 0–65535 (i.e., 2^{16}); this code is communicated in PDUs in the appropriate encoding form, e.g., MDDL-OID, an INT-U16;
acronym	is an abbreviation and/or note; this field may be blank.

The last component is enclosed in the syntax `/* */`, which represents a comment.

Entries are grouped by their partition code to provide full context.

B.1.2 Partition codes

This subclause lists the partition codes. Partition codes may be considered to be unique as the high-order 16 bits of a 32-bit integer code.

```

/* Partition Definitions */
#define MDC_PART_UNSPEC 0 /* Unspecified */
#define MDC_PART_OBJ 1 /* Object Infrastr. */
#define MDC_PART_SCADA 2 /* SCADA (Physio IDs) */
#define MDC_PART_EVT 3 /* Event */

```

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#define MDC_PART_DIM	4	/* Dimension	*/
#define MDC_PART_VATTR	5	/* Virtual Attribute	*/
#define MDC_PART_PGRP	6	/* Parameter Group	*/
#define MDC_PART_SITES	7	/* [Body] Site	*/
#define MDC_PART_INFRA	8	/* Infrastructure	*/
#define MDC_PART_FEF	9	/* File Exchange Format	*/
#define MDC_PART_ECG_EXTN	10	/* ECG Extension	*/
#define MDC_PART_IDCO_EXTN	11	/* IDCO Extension	*/
#define MDC_PART_PHD_DM	128	/* PHD Disease Management	*/
#define MDC_PART_PHD_HF	129	/* PHD Health Fitness	*/
#define MDC_PART_PHD_AI	130	/* PHD Aging	
		Independently	*/
#define MDC_PART_RET_CODE	255	/* Return codes	*/
#define MDC_PART_EXT_NOM	256	/* Ext. Nomenclature	*/
#define MDC_PART_SETTINGS	258	/* Device (SCADA) device	
		settings	*/
#define MDC_PART_PRED	514	/* Device (SCADA) device	
		predicted values	*/
#define MDC_PART_PVT	1024	/* Private	*/

B.2 Object infrastructure and device nomenclature – Partition 1

B.2.1 Object infrastructure

/* Block: MOC/BASE		Partition: 1	
Description: <i>Object Classes</i>			*/
#define MDC_MOC_VMO	1	/*	*/
#define MDC_MOC_VMO_VMD	2	/*	*/
#define MDC_MOC_VMO_CHAN	3	/*	*/
#define MDC_MOC_VMO_METRIC	4	/*	*/
#define MDC_MOC_VMO_METRIC_ENUM	5	/*	*/
#define MDC_MOC_VMO_METRIC_NU	6	/*	*/
#define MDC_MOC_VMO_METRIC_SA	7	/*	*/

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#define MDC_MOC_VMO_METRIC_SA_D	8	/*	*/
#define MDC_MOC_VMO_METRIC_SA_RT	9	/*	*/
#define MDC_MOC_VMO_METRIC_SA_T	10	/*	*/
#define MDC_MOC_SCAN	16	/*	*/
#define MDC_MOC_SCAN_CFG	17	/*	*/
#define MDC_MOC_SCAN_CFG_EPI	18	/*	*/
#define MDC_MOC_SCAN_CFG_PERI	19	/*	*/
#define MDC_MOC_SCAN_CFG_PERI_FAST	20	/*	*/
#define MDC_MOC_SCAN_UCFG	21	/*	*/
#define MDC_MOC_SCAN_UCFG_ALSTAT	22	/*	*/
#define MDC_MOC_SCAN_UCFG_CTXT	23	/*	*/
#define MDC_MOC_SCAN_UCFG_OP	24	/*	*/
#define MDC_MOC_CC	28	/*	*/
#define MDC_MOC_VMS	32	/*	*/
#define MDC_MOC_VMS_MDS	33	/*	*/
#define MDC_MOC_VMS_MDS_COMPOS_MULTI_BED	34	/*	*/
#define MDC_MOC_VMS_MDS_COMPOS_SINGLE_BED	35	/*	*/
#define MDC_MOC_VMS_MDS_HYD	36	/*	*/
#define MDC_MOC_VMS_MDS_SIMP	37	/*	*/
#define MDC_MOC_LOG	38	/*	*/
#define MDC_MOC_LOG_ERR	39	/*	*/
#define MDC_MOC_LOG_SERV	40	/*	*/
#define MDC_MOC_BATT	41	/*	*/
#define MDC_MOC_PT_DEMOG	42	/*	*/
#define MDC_MOC_CNTRL_SCO	43	/*	*/
#define MDC_MOC_CNTRL_OP	44	/*	*/
#define MDC_MOC_CNTRL_OP_SEL_IT	45	/*	*/
#define MDC_MOC_CNTRL_OP_SEL_IT_A	46	/*	*/
#define MDC_MOC_CNTRL_OP_SEL_VAL	47	/*	*/
#define MDC_MOC_CNTRL_OP_SEL_VAL_A	48	/*	*/
#define MDC_MOC_CNTRL_OP_TOG	49	/*	*/

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#define MDC_MOC_CNTRL_OP_ACTIV	50	/*	*/
#define MDC_MOC_CNTRL_OP_LIM	51	/*	*/
#define MDC_MOC_VMO_AL	52	/*	*/
#define MDC_MOC_VMO_AL_STAT	53	/*	*/
#define MDC_MOC_VMO_AL_MON	54	/*	*/
#define MDC_MOC_VMO_PMSTORE	61	/*	*/
#define MDC_MOC_PM_SEGMENT	62	/*	*/
#define MDC_MOC_ARCHIVE_MULTI_PT	63	/*	*/
#define MDC_MOC_ARCHIVE_PT	64	/*	*/
#define MDC_MOC_ARCHIVE_SESSION	65	/*	*/
#define MDC_MOC_DISCRIM	66	/*	*/
#define MDC_MOC_PHYSICIAN	67	/*	*/
#define MDC_MOC_SESSION_NOTES	68	/*	*/
#define MDC_MOC_SESSION_TEST	69	/*	*/
#define MDC_MOC_TOP	70	/*	*/
#define MDC_MOC_LOG_EVENT	72	/*	*/
#define MDC_MOC_CNTRL_OP_SET_STRING	73	/*	*/
#define MDC_MOC_PRINTER	74	/*	*/
#define MDC_MOC_PT_DEMOG_MGR	75	/*	*/
#define MDC_MOC_DCC	76	/*	*/
#define MDC_MOC_BCC	77	/*	*/
#define MDC_MOC_CLOCK	78	/*	*/
#define MDC_MOC_VMO_METRIC_CMPLX	79	/*	*/
#define MDC_MOC_CNTRL_OP_SET_RANGE	80	/*	*/
#define MDC_MOC_VMO_SCHEDSTORE	81	/*	*/
#define MDC_MOC_SCHEDULE_SEG	82	/*	*/
/* Block: AL-STAT			
Partition: 1			
Description: Alert Object ID			*/
#define MDC_ALSTAT_MDS	1281	/*	*/
#define MDC_ALSTAT_VMD	1282	/*	*/

/* Block: ATTR/GROUP		Partition: 1
Description: <i>Attribute Group</i>		*/
#define MDC_ATTR_GRP_AL_MON	2049 /*	*/
#define MDC_ATTR_GRP_AL_STAT	2050 /*	*/
#define MDC_ATTR_GRP_METRIC_VAL_OBS	2051 /*	*/
#define MDC_ATTR_GRP_OP_DYN_CTXT	2052 /*	*/
#define MDC_ATTR_GRP_OP_STATIC_CTXT	2053 /*	*/
#define MDC_ATTR_GRP_PMSTORE	2054 /*	*/
#define MDC_ATTR_GRP_PT_DEMOG	2055 /*	*/
#define MDC_ATTR_GRP_SCAN	2056 /*	*/
#define MDC_ATTR_GRP_SCO_TRANSACTION	2057 /*	*/
#define MDC_ATTR_GRP_SYS_APPL	2058 /*	*/
#define MDC_ATTR_GRP_SYS_ID	2059 /*	*/
#define MDC_ATTR_GRP_SYS_PROD	2060 /*	*/
#define MDC_ATTR_GRP_VMD_APPL	2062 /*	*/
#define MDC_ATTR_GRP_VMD_PROD	2063 /*	*/
#define MDC_ATTR_GRP_VMO_DYN	2064 /*	*/
#define MDC_ATTR_GRP_VMO_STATIC	2065 /*	*/
#define MDC_ATTR_GRP_AL	2067 /*	*/
#define MDC_ATTR_GRP_ARCHIVE	2068 /*	*/
#define MDC_ATTR_GRP_BATT	2069 /*	*/
#define MDC_ATTR_GRP_DISCRIM	2070 /*	*/
#define MDC_ATTR_GRP_PHYSICIAN	2071 /*	*/
#define MDC_ATTR_GRP_RELATION	2072 /*	*/
#define MDC_ATTR_GRP_T_PROFILE_MGMT	2073 /*	*/
#define MDC_ATTR_GRP_PRINTER	2074 /*	*/
#define MDC_ATTR_GRP_PDMO_STATIC	2075 /*	*/
#define MDC_ATTR_GRP_PDMO_DYN	2076 /*	*/
#define MDC_ATTR_GRP_CC	2077 /*	*/
#define MDC_ATTR_GRP_CLOCK	2078 /*	*/

/* Block: ATTRs		Partition: 1	
Description: <i>Attribute</i>			*/
#define MDC_ATTR_AL_LIMIT_SPEC_LIST	2305	/*	*/
#define MDC_ATTR_AL_MON_P_AL_LIST	2306	/*	*/
#define MDC_ATTR_AL_MON_S_AL_LIST	2307	/*	*/
#define MDC_ATTR_AL_MON_T_AL_LIST	2308	/*	*/
#define MDC_ATTR_AL_OP_CAPAB	2309	/*	*/
#define MDC_ATTR_AL_OP_STAT	2310	/*	*/
#define MDC_ATTR_AL_OP_TEXT	2311	/*	*/
#define MDC_ATTR_AL_STAT_AL_C_LIST	2312	/*	*/
#define MDC_ATTR_AL_STAT_P_AL_LIST	2314	/*	*/
#define MDC_ATTR_AL_STAT_T_AL_LIST	2315	/*	*/
#define MDC_ATTR_ALTITUDE	2316	/*	*/
#define MDC_ATTR_AREA_APPL	2317	/*	*/
#define MDC_ATTR_CHAN_ID	2318	/*	*/
#define MDC_ATTR_CHAN_NUM_PHYS	2319	/*	*/
#define MDC_ATTR_CHAN_STAT	2320	/*	*/
#define MDC_ATTR_COLOR	2321	/*	*/
#define MDC_ATTR_COMPRES	2322	/*	*/
#define MDC_ATTR_CONFIRM_MODE	2323	/*	*/
#define MDC_ATTR_CONFIRM_TIMEOUT	2324	/*	*/
#define MDC_ATTR_CYC_OP	2325	/*	*/
#define MDC_ATTR_DEV_AL_COND	2326	/*	*/
#define MDC_ATTR_DISP_RES	2327	/*	*/
#define MDC_ATTR_ERR_LOG_ENTRY_LIST	2328	/*	*/
#define MDC_ATTR_FILTER_SPECN	2329	/*	*/
#define MDC_ATTR_GRID_VIS_I16	2330	/*	*/
#define MDC_ATTR_GRID_VIS_I32	2331	/*	*/
#define MDC_ATTR_GRID_VIS_I8	2332	/*	*/
#define MDC_ATTR_ID_ASSOC_NO	2333	/*	*/

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#define MDC_ATTR_ID_BED_LABEL	2334	/*	*/
#define MDC_ATTR_ID_CHAN_NUM_PHYS	2335	/*	*/
#define MDC_ATTR_ID_COMPAT	2336	/*	*/
#define MDC_ATTR_ID_HANDLE	2337	/*	*/
#define MDC_ATTR_ID_INSTNO	2338	/*	*/
#define MDC_ATTR_ID_INVOK_COOKIE	2339	/*	*/
#define MDC_ATTR_ID_LABEL	2340	/*	*/
#define MDC_ATTR_ID_LABEL_ACT	2341	/*	*/
#define MDC_ATTR_ID_LABEL_HELP	2342	/*	*/
#define MDC_ATTR_ID_LABEL_STRING	2343	/*	*/
#define MDC_ATTR_ID_MODEL	2344	/*	*/
#define MDC_ATTR_ID_NOM_PARTITION	2345	/*	*/
#define MDC_ATTR_ID_PARAM_GRP	2346	/*	*/
#define MDC_ATTR_ID_PHYSIO	2347	/*	*/
#define MDC_ATTR_ID_POSN	2348	/*	*/
#define MDC_ATTR_ID_PROD_SPECN	2349	/*	*/
#define MDC_ATTR_ID_SOFT	2350	/*	*/
#define MDC_ATTR_ID_TYPE	2351	/*	*/
#define MDC_ATTR_ID_TYPE_ACT	2352	/*	*/
#define MDC_ATTR_ID_TYPE_METRIC_STAT	2353	/*	*/
#define MDC_ATTR_INDEX_SEL	2354	/*	*/
#define MDC_ATTR_INDIC_ACTIV	2355	/*	*/
#define MDC_ATTR_LIMIT_CURR	2356	/*	*/
#define MDC_ATTR_LINE_FREQ	2357	/*	*/
#define MDC_ATTR_LIST_SEL	2358	/*	*/
#define MDC_ATTR_LOCALIZN	2359	/*	*/
#define MDC_ATTR_LOG_ENTRIES_CURR	2360	/*	*/
#define MDC_ATTR_LOG_ENTRIES_MAX	2361	/*	*/
#define MDC_ATTR_METRIC_CALIB	2362	/*	*/
#define MDC_ATTR_METRIC_CLASS	2363	/*	*/
#define MDC_ATTR_METRIC_INFO_LABEL	2364	/*	*/

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#define MDC_ATTR_METRIC_INFO_LABEL_STR	2365	/*	*/
#define MDC_ATTR_METRIC_LIST_SRC	2366	/*	*/
#define MDC_ATTR_METRIC_SPECN	2367	/*	*/
#define MDC_ATTR_METRIC_STAT	2368	/*	*/
#define MDC_ATTR_METRIC_STORE_CAPAC_CNT	2369	/*	*/
#define MDC_ATTR_METRIC_STORE_FORMAT	2370	/*	*/
#define MDC_ATTR_METRIC_STORE_SAMPLE_ALG	2371	/*	*/
#define MDC_ATTR_METRIC_STORE_USAGE_CNT	2372	/*	*/
#define MDC_ATTR_MODE_MSMT	2373	/*	*/
#define MDC_ATTR_MODE_OP	2374	/*	*/
#define MDC_ATTR_MSMT_STAT	2375	/*	*/
#define MDC_ATTR_NOM_VERS	2376	/*	*/
#define MDC_ATTR_NU_ACCUR_MSMT	2378	/*	*/
#define MDC_ATTR_NU_CMPD_VAL_OBS	2379	/*	*/
#define MDC_ATTR_ID_UDI	2380	/*	*/
#define MDC_ATTR_NU_MSMT_RES	2381	/*	*/
#define MDC_ATTR_NU_RANGE_MSMT	2382	/*	*/
#define MDC_ATTR_NU_RANGE_PHYSIO	2383	/*	*/
#define MDC_ATTR_NU_VAL_OBS	2384	/*	*/
#define MDC_ATTR_NUM_SEG	2385	/*	*/
#define MDC_ATTR_OP_SPEC	2386	/*	*/
#define MDC_ATTR_OP_STAT	2387	/*	*/
#define MDC_ATTR_OP_TEXT	2388	/*	*/
#define MDC_ATTR_POWER_STAT	2389	/*	*/
#define MDC_ATTR_PT_BSA	2390	/*	*/
#define MDC_ATTR_PT_DEMOG_ST	2391	/*	*/
#define MDC_ATTR_PT_DOB	2392	/*	*/
#define MDC_ATTR_PT_GEN_INFO	2393	/*	*/
#define MDC_ATTR_PT_ID	2394	/*	*/
#define MDC_ATTR_PT_NAME	2395	/*	*/
#define MDC_ATTR_PT_NAME_FAMILY	2396	/*	*/

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#define MDC_ATTR_PT_NAME_GIVEN	2397	/*	*/
#define MDC_ATTR_PT_NAME_BIRTH	2398	/*	*/
#define MDC_ATTR_PT_NAME_MIDDLE	2399	/*	*/
#define MDC_ATTR_PT_NAME_TITLE	2400	/*	*/
#define MDC_ATTR_PT_SEX	2401	/*	*/
#define MDC_ATTR_PT_TYPE	2402	/*	*/
#define MDC_ATTR_RANGE_DISTRIB	2403	/*	*/
#define MDC_ATTR_SA_CALIB_I16	2404	/*	*/
#define MDC_ATTR_SA_CALIB_I32	2405	/*	*/
#define MDC_ATTR_SA_CALIB_I8	2406	/*	*/
#define MDC_ATTR_SA_CMPD_VAL_OBS	2407	/*	*/
#define MDC_ATTR_SA_FREQ_SIG	2408	/*	*/
#define MDC_ATTR_SA_MSMT_RES	2409	/*	*/
#define MDC_ATTR_SA_RANGE_PHYS_I16	2410	/*	*/
#define MDC_ATTR_SA_RANGE_PHYS_I32	2411	/*	*/
#define MDC_ATTR_SA_RANGE_PHYS_I8	2412	/*	*/
#define MDC_ATTR_SA_SPECN	2413	/*	*/
#define MDC_ATTR_SA_VAL_OBS	2414	/*	*/
#define MDC_ATTR_SCALE_SPECN_I16	2415	/*	*/
#define MDC_ATTR_SCALE_SPECN_I32	2416	/*	*/
#define MDC_ATTR_SCALE_SPECN_I8	2417	/*	*/
#define MDC_ATTR_SCAN_CTXT_MODE	2418	/*	*/
#define MDC_ATTR_SCAN_EXTEND	2419	/*	*/
#define MDC_ATTR_SCAN_LIST	2420	/*	*/
#define MDC_ATTR_SCAN_REP_PD	2421	/*	*/
#define MDC_ATTR_SCO_CAPAB	2422	/*	*/
#define MDC_ATTR_SEG_DATA_GEN	2424	/*	*/
#define MDC_ATTR_SEG_DATA_NU_OPT	2425	/*	*/
#define MDC_ATTR_SEG_DATA_RTSA_OPT	2426	/*	*/
#define MDC_ATTR_SEG_USAGE_CNT	2427	/*	*/
#define MDC_ATTR_SITE_LIST_BODY	2429	/*	*/

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#define MDC_ATTR_SITE_LIST_MSMT	2430	/*	*/
#define MDC_ATTR_SPD_SWEEP_DEFAULT	2431	/*	*/
#define MDC_ATTR_STAT_LOCK	2432	/*	*/
#define MDC_ATTR_STAT_OP_TOG	2433	/*	*/
#define MDC_ATTR_SYS_CAPAB	2435	/*	*/
#define MDC_ATTR_SYS_ID	2436	/*	*/
#define MDC_ATTR_SYS_SPECN	2437	/*	*/
#define MDC_ATTR_SYS_TYPE	2438	/*	*/
#define MDC_ATTR_TIME_ABS	2439	/*	*/
#define MDC_ATTR_TIME_BATT_REMAIN	2440	/*	*/
#define MDC_ATTR_TIME_END_SEG	2442	/*	*/
#define MDC_ATTR_TIME_PD_MSMT	2443	/*	*/
#define MDC_ATTR_TIME_PD_OP_HRS	2444	/*	*/
#define MDC_ATTR_TIME_PD_SAMP	2445	/*	*/
#define MDC_ATTR_TIME_PD_AL_SUSP	2446	/*	*/
#define MDC_ATTR_TIME_REL	2447	/*	*/
#define MDC_ATTR_TIME_STAMP_ABS	2448	/*	*/
#define MDC_ATTR_TIME_STAMP_REL	2449	/*	*/
#define MDC_ATTR_TIME_START_SEG	2450	/*	*/
#define MDC_ATTR_TSA_MARKER_LIST	2452	/*	*/
#define MDC_ATTR_TX_WIND	2453	/*	*/
#define MDC_ATTR_UNIT_CODE	2454	/*	*/
#define MDC_ATTR_UNIT_CODE_X	2455	/*	*/
#define MDC_ATTR_UNIT_LABEL_STRING	2457	/*	*/
#define MDC_ATTR_UNIT_LABEL_STRING_X	2458	/*	*/
#define MDC_ATTR_VAL_BATT_CHARGE	2460	/*	*/
#define MDC_ATTR_VAL_CURR	2461	/*	*/
#define MDC_ATTR_VAL_ENUM_OBS	2462	/*	*/
#define MDC_ATTR_VAL_ENUM_OBS_CMPD	2463	/*	*/
#define MDC_ATTR_VAL_RANGE	2464	/*	*/
#define MDC_ATTR_VAL_STEP_WIDTH	2465	/*	*/

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#define MDC_ATTR_VMD_STAT	2466	/*	*/
#define MDC_ATTR_VMO_LIST_SRC	2467	/*	*/
#define MDC_ATTR_VMO_REF	2468	/*	*/
#define MDC_ATTR_VMO_REF_GLB	2469	/*	*/
#define MDC_ATTR_VMS_MDS_LOCALIZN	2470	/*	*/
#define MDC_ATTR_VMS_MDS_STAT	2471	/*	*/
#define MDC_ATTR_VMS_MDS_TEXT_CAT	2472	/*	*/
#define MDC_ATTR_AL_COND	2476	/*	*/
#define MDC_ATTR_AL_LIMIT	2477	/*	*/
#define MDC_ATTR_AL_OP_TEXT_STRING	2478	/*	*/
#define MDC_ATTR_ANAESTHETIST	2479	/*	*/
#define MDC_ATTR_ARCHIVE_VERS	2480	/*	*/
#define MDC_ATTR_AUTH_LEVEL	2481	/*	*/
#define MDC_ATTR_BATT_CHARGE_CYCLES	2482	/*	*/
#define MDC_ATTR_BATT_CURR	2483	/*	*/
#define MDC_ATTR_BATT_STAT	2484	/*	*/
#define MDC_ATTR_BATT_VOLTAGE	2485	/*	*/
#define MDC_ATTR_BATT_VOLTAGE_SPECN	2486	/*	*/
#define MDC_ATTR_CAPAC_BATT_FULL	2487	/*	*/
#define MDC_ATTR_CAPAC_BATT_REMAIN	2488	/*	*/
#define MDC_ATTR_CAPAC_BATT_SPECN	2489	/*	*/
#define MDC_ATTR_CIRCUM_HEAD	2490	/*	*/
#define MDC_ATTR_CLASS	2491	/*	*/
#define MDC_ATTR_CODE_DIAGNOSTIC	2492	/*	*/
#define MDC_ATTR_CODE_PROCEDURE	2493	/*	*/
#define MDC_ATTR_DESC_DIAGNOSTIC	2494	/*	*/
#define MDC_ATTR_DESC_PROCEDURE	2495	/*	*/
#define MDC_ATTR_DIAGNOSTIC_INFO	2496	/*	*/
#define MDC_ATTR_DISCRIM_CONSTRUCT	2497	/*	*/
#define MDC_ATTR_ENUM_ADD_DATA	2498	/*	*/
#define MDC_ATTR_EXT_OBJ_RELATION	2499	/*	*/

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#define MDC_ATTR_FINDINGS	2500	/*	*/
#define MDC_ATTR_ID_BED	2501	/*	*/
#define MDC_ATTR_ID_MSMT_EXT	2502	/*	*/
#define MDC_ATTR_ID_PHYSICIAN	2503	/*	*/
#define MDC_ATTR_ID_PT_MOTHER	2504	/*	*/
#define MDC_ATTR_ID_SESS_NOTES_ARCHIVE	2505	/*	*/
#define MDC_ATTR_ID_SESS_TEST_ARCHIVE	2506	/*	*/
#define MDC_ATTR_ID_SESS_ARCHIVE	2507	/*	*/
#define MDC_ATTR_ID_SUBSTANCE_LABEL_STRING	2508	/*	*/
#define MDC_ATTR_LOCATION	2509	/*	*/
#define MDC_ATTR_NAME_BINDING	2510	/*	*/
#define MDC_ATTR_NAME_SESS_NOTES_ARCHIVE	2511	/*	*/
#define MDC_ATTR_NAME_SESS_TEST_ARCHIVE	2512	/*	*/
#define MDC_ATTR_NAME_SESS_ARCHIVE	2513	/*	*/
#define MDC_ATTR_OP_TEXT_STRING	2514	/*	*/
#define MDC_ATTR_PHYSICIAN_ADMIT	2515	/*	*/
#define MDC_ATTR_PHYSICIAN_ATTEND	2516	/*	*/
#define MDC_ATTR_PROC_HIST	2517	/*	*/
#define MDC_ATTR_PROCEDURE_DATE	2518	/*	*/
#define MDC_ATTR_PROTECTION	2519	/*	*/
#define MDC_ATTR_PT_AGE	2520	/*	*/
#define MDC_ATTR_PT_AGE_GEST	2521	/*	*/
#define MDC_ATTR_PT_BIRTH_LENGTH	2522	/*	*/
#define MDC_ATTR_PT_BIRTH_WEIGHT	2523	/*	*/
#define MDC_ATTR_PT_HEIGHT	2524	/*	*/
#define MDC_ATTR_PT_NAME_MOTHER	2525	/*	*/
#define MDC_ATTR_PT_RACE	2526	/*	*/
#define MDC_ATTR_PT_WEIGHT	2527	/*	*/
#define MDC_ATTR_SESS_NOTES_ARCHIVE_COMMENTS	2528	/*	*/
#define MDC_ATTR_SESS_TEST_ARCHIVE_COMMENTS	2529	/*	*/
#define MDC_ATTR_SESS_ARCHIVE_COMMENTS	2530	/*	*/

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#define MDC_ATTR_NAME_STUDY	2531	/*	*/
#define MDC_ATTR_SURGEON	2532	/*	*/
#define MDC_ATTR_TEMP_BATT	2534	/*	*/
#define MDC_ATTR_TIME_PD_AVG	2535	/*	*/
#define MDC_ATTR_TIME_REL_HI_RES	2536	/*	*/
#define MDC_ATTR_TIME_STAMP_REL_HI_RES	2537	/*	*/
#define MDC_ATTR_TIME_START	2538	/*	*/
#define MDC_ATTR_TIME_STOP	2539	/*	*/
#define MDC_ATTR_TOG_LABELS_STRING	2540	/*	*/
#define MDC_ATTR_ID_SUBSTANCE	2542	/*	*/
#define MDC_ATTR_NAME_SYS	2543	/*	*/
#define MDC_ATTR_PHYSICIAN_NAME	2544	/*	*/
#define MDC_ATTR_PHYSICIAN_NAME_FAMILY	2545	/*	*/
#define MDC_ATTR_PHYSICIAN_NAME_GIVEN	2546	/*	*/
#define MDC_ATTR_PHYSICIAN_NAME_MIDDLE	2547	/*	*/
#define MDC_ATTR_PHYSICIAN_NAME_TITLE	2548	/*	*/
#define MDC_ATTR_SCO_HELP_TEXT_STRING	2549	/*	*/
#define MDC_ATTR_SITE_LIST_BODY_EXT	2550	/*	*/
#define MDC_ATTR_SITE_LIST_MSMT_EXT	2551	/*	*/
#define MDC_ATTR_MIB_SYS	2552	/*	*/
#define MDC_ATTR_MIB_IP	2553	/*	*/
#define MDC_ATTR_MIB_ICMP	2554	/*	*/
#define MDC_ATTR_MIB_IF	2555	/*	*/
#define MDC_ATTR_MIB_AT	2556	/*	*/
#define MDC_ATTR_MIB_UDP	2557	/*	*/
#define MDC_ATTR_SCAN_CFG_LIMIT	2558	/*	*/
#define MDC_ATTR_MSMT_PRINCIPLE	2560	/*	*/
#define MDC_ATTR_ENUM_RANGE_MSMT	2561	/*	*/
#define MDC_ATTR_EVENT_LOG_ENTRY_LIST	2564	/*	*/
#define MDC_ATTR_STRING_CURR	2565	/*	*/
#define MDC_ATTR_SET_STRING_SPEC	2567	/*	*/

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#define MDC_ATTR_ENUM_RANGE_MSMT_BIT_STRING	2568	/*	*/
#define MDC_ATTR_ID_PRINTER_NAME	2569	/*	*/
#define MDC_ATTR_PRINTER_CMD_LANG	2570	/*	*/
#define MDC_ATTR_PRINTER_STAT	2571	/*	*/
#define MDC_ATTR_PRINTER_STAT_STRING	2572	/*	*/
#define MDC_ATTR_PAPER_SIZE	2573	/*	*/
#define MDC_ATTR_PRINT_MARGINS	2574	/*	*/
#define MDC_ATTR_PRINTER_GRP_RES_STD	2575	/*	*/
#define MDC_ATTR_PRINTER_GRP_RES_COLOR	2576	/*	*/
#define MDC_ATTR_PRINTER_COLOR_SUP	2577	/*	*/
#define MDC_ATTR_PRINTER_DUPLEX_SUP	2578	/*	*/
#define MDC_ATTR_PRINTER_LOC_LANG_SUP	2579	/*	*/
#define MDC_ATTR_PRINTER_ACC_PCOL	2580	/*	*/
#define MDC_ATTR_PRINTER_TFTP_ADDR	2581	/*	*/
#define MDC_ATTR_SA_MARKER_LIST_I16	2582	/*	*/
#define MDC_ATTR_DELAY_TIME_MAX	2583	/*	*/
#define MDC_ATTR_PDMO_CAPAB	2584	/*	*/
#define MDC_ATTR_PDMO_IMPL_VERS	2585	/*	*/
#define MDC_ATTR_PT_DEMOG_REF_LIST	2587	/*	*/
#define MDC_ATTR_PT_DEMOG_ST_SYNC	2588	/*	*/
#define MDC_ATTR_PT_DEMOG_DATA_LIST	2589	/*	*/
#define MDC_ATTR_PT_PACED_MODE	2590	/*	*/
#define MDC_ATTR_EVENT_LOG_INFO	2591	/*	*/
#define MDC_ATTR_EVENT_LOG_CHANGE_COUNT	2592	/*	*/
#define MDC_ATTR_CC_CAPAB	2593	/*	*/
#define MDC_ATTR_CC_TYPE	2594	/*	*/
#define MDC_ATTR_CC_NUM_DIFS	2595	/*	*/
#define MDC_ATTR_CC_THIS_DIF_INDEX	2596	/*	*/
#define MDC_ATTR_CC_EXT_MNG_PROT	2597	/*	*/
#define MDC_ATTR_MIB_EXT_OID	2598	/*	*/
#define MDC_ATTR_LOCALE	2600	/*	*/

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#define MDC_ATTR_PT_LBM	2601	/*	*/
#define MDC_ATTR_OP_TEXT_STRING_DYN	2602	/*	*/
#define MDC_ATTR_SA_MARKER_LIST_I8	2603	/*	*/
#define MDC_ATTR_SA_MARKER_LIST_I32	2604	/*	*/
#define MDC_ATTR_DSA_MARKER_LIST	2605	/*	*/
#define MDC_ATTR_CHAN_NUM_LOGICAL	2606	/*	*/
#define MDC_ATTR_TIME_SUPPORT	2607	/*	*/
#define MDC_ATTR_DATE_TIME_STATUS	2608	/*	*/
#define MDC_ATTR_TIME_ABS_ISO	2609	/*	*/
#define MDC_ATTR_TIME_STAMP_LIST_EXT	2610	/*	*/
#define MDC_ATTR_TIME_ABS_REL_SYNC	2611	/*	*/
#define MDC_ATTR_TIME_ZONE	2612	/*	*/
#define MDC_ATTR_TIME_DAYLIGHT_SAVINGS_TRANS	2613	/*	*/
#define MDC_ATTR_CUM_LEAP_SECONDS	2614	/*	*/
#define MDC_ATTR_NEXT_LEAP_SECOND	2615	/*	*/
#define MDC_ATTR_REPORTING_DELAY_AVG	2616	/*	*/
#define MDC_ATTR_SAMPLE_TIME_SYNC	2617	/*	*/
#define MDC_ATTR_SAMPLE_TIME_SYNC_HIRES	2618	/*	*/
#define MDC_ATTR_CMPLX_INFO	2619	/*	*/
#define MDC_ATTR_CMPLX_VAL_OBS	2620	/*	*/
#define MDC_ATTR_CMPLX_DYN_ATTR	2621	/*	*/
#define MDC_ATTR_CMPLX_STATIC_ATTR	2622	/*	*/
#define MDC_ATTR_CMPLX_RECURSION_DEPTH	2623	/*	*/
#define MDC_ATTR_RANGE_CURR	2624	/*	*/
#define MDC_ATTR_RANGE_OP_TEXT_STRING	2625	/*	*/
#define MDC_ATTR_FILTER_LABEL_STRING	2626	/*	*/
#define MDC_ATTR_ENUM_RANGE_MSMT_LABELS	2627	/*	*/
#define MDC_ATTR_DEV_CONFIG_ID	2628	/*	*/
#define MDC_ATTR_MDS_TIME_INFO	2629	/*	*/
#define MDC_ATTR_METRIC_SPEC_SMALL	2630	/*	*/
#define MDC_ATTR_SOURCE_HANDLE_REF	2631	/*	*/

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#define MDC_ATTR_SIMP_SA_OBS_VAL	2632	/*	*/
#define MDC_ATTR_ENUM_OBS_VAL_SIMP_OID	2633	/*	*/
#define MDC_ATTR_ENUM_OBS_VAL_SIMP_STR	2634	/*	*/
#define MDC_ATTR_REG_CERT_DATA_LIST	2635	/*	*/
#define MDC_ATTR_NU_VAL_OBS_BASIC	2636	/*	*/
#define MDC_ATTR_PM_STORE_CAPAB	2637	/*	*/
#define MDC_ATTR_PM_SEG_MAP	2638	/*	*/
#define MDC_ATTR_PM_SEG_PERSON_ID	2639	/*	*/
#define MDC_ATTR_SEG_STATS	2640	/*	*/
#define MDC_ATTR_SEG_FIXED_DATA	2641	/*	*/
#define MDC_ATTR_SCAN_HANDLE_ATTR_VAL_MAP	2643	/*	*/
#define MDC_ATTR_SCAN_REP_PD_MIN	2644	/*	*/
#define MDC_ATTR_ATTRIBUTE_VAL_MAP	2645	/*	*/
#define MDC_ATTR_NU_VAL_OBS_SIMP	2646	/*	*/
#define MDC_ATTR_PM_STORE_LABEL_STRING	2647	/*	*/
#define MDC_ATTR_PM_SEG_LABEL_STRING	2648	/*	*/
#define MDC_ATTR_TIME_PD_MSMT_ACTIVE	2649	/*	*/
#define MDC_ATTR_SYS_TYPE_SPEC_LIST	2650	/*	*/
#define MDC_ATTR_METRIC_ID_PART	2655	/*	*/
#define MDC_ATTR_ENUM_OBS_VAL_PART	2656	/*	*/
#define MDC_ATTR_SUPPLEMENTAL_TYPES	2657	/*	*/
#define MDC_ATTR_TIME_ABS_ADJUST	2658	/*	*/
#define MDC_ATTR_CLEAR_TIMEOUT	2659	/*	*/
#define MDC_ATTR_TRANSFER_TIMEOUT	2660	/*	*/
#define MDC_ATTR_ENUM_OBS_VAL_SIMP_BIT_STR	2661	/*	*/
#define MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR	2662	/*	*/
#define MDC_ATTR_METRIC_STRUCT_SMALL	2675	/*	*/
#define MDC_ATTR_NU_CMPD_VAL_OBS_SIMP	2676	/*	*/
#define MDC_ATTR_NU_CMPD_VAL_OBS_BASIC	2677	/*	*/
#define MDC_ATTR_ID_PHYSIO_LIST	2678	/*	*/
#define MDC_ATTR_SCAN_HANDLE_LIST	2679	/*	*/

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#define MDC_ATTR_CONTEXT_KEY	2680	/*	*/
#define MDC_ATTR_SOURCE_HANDLE_REF_LIST	2681	/*	*/
#define MDC_REG_CERT_DATA_AUTH_BODY	2682	/*	*/
#define MDC_TIME_CAP_STATE	2683	/*	*/
#define MDC_TIME_SYNC_PROTOCOL	2684	/*	*/
#define MDC_TIME_SYNC_ACCURACY	2685	/*	*/
#define MDC_TIME_RES_ABS	2686	/*	*/
#define MDC_TIME_RES_REL	2687	/*	*/
#define MDC_TIME_RES_REL_HI_RES	2688	/*	*/
#define MDC_ATTR_TIME_BO	2689	/*	*/
#define MDC_ATTR_TIME_STAMP_BO	2690	/*	*/
#define MDC_ATTR_TIME_START_SEG_BO	2691	/*	*/
#define MDC_ATTR_TIME_END_SEG_BO	2692	/*	*/
#define MDC_ATTR_TICK_RES	2693	/*	*/
#define MDC_ATTR_TRANSPORT_TIMEOUT	2694	/*	*/
#define MDC_ATTR_SITE_LIST_BREATHING_CKT	2695	/*	*/
#define MDC_ATTR_THRES_NOTIF_TEXT_STRING	2696	/*	*/
#define MDC_ATTR_SITE_LIST_BREATHING_CKT_EXT	2697	/*	*/
#define MDC_ATTR_TIME_NTP_REF_ID	2698	/*	*/
#define MDC_ATTR_TIME_TIMEBASE_ID	2699	/*	*/
#define MDC_ATTR_MSMT_CONFIDENCE_95	2700	/*	*/
#define MDC_ATTR_METRIC_CALC_METHOD	2701	/*	*/
#define MDC_ATTR_EVENT_CONTEXT	2702	/*	*/
#define MDC_TIME_RES_BO	2703	/*	*/
#define MDC_ATTR_ENUM_CAPABILITY_MASK_SIMPLE	2704	/*	*/
#define MDC_ATTR_ENUM_CAPABILITY_MASK_BASIC	2705	/*	*/
#define MDC_ATTR_ENUM_STATE_FLAG_SIMPLE	2706	/*	*/
#define MDC_ATTR_ENUM_STATE_FLAG_BASIC	2707	/*	*/
#define MDC_ATTR_ECG_LEAD_SET	2708	/*	*/
#define MDC_ATTR_SAMPLE_RATE	2784	/*	*/
#define MDC_ATTR_SAMPLE_COUNT	2785	/*	*/

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#define MDC_ATTR_WAV_ENCODING	2786	/*	*/
#define MDC_ATTR_DATA_RANGE	2787	/*	*/
#define MDC_ATTR_GRID_VIS	2788	/*	*/
#define MDC_ATTR_VIS_COLOR	2789	/*	*/
#define MDC_ATTR_SCALE_RANGE	2790	/*	*/
#define MDC_ATTR_SCALE_RANGE_SIZE	2791	/*	*/
#define MDC_ATTR_PHYS_RANGE	2792	/*	*/
#define MDC_ATTR_SCHED_STORE_HANDLE	2800	/*	*/
#define MDC_ATTR_SCHED_STORE_ACTIVE_INSTNO	2801	/*	*/
#define MDC_ATTR_SCHED_STORE_UPDATED_INSTNO	2802	/*	*/
#define MDC_ATTR_SCHED_STORE_CAPAB	2803	/*	*/
#define MDC_ATTR_SCHED_STORE_CAPAC_CNT	2804	/*	*/
#define MDC_ATTR_SCHED_STORE_USAGE_CNT	2805	/*	*/
#define MDC_ATTR_SCHED_STORE_OP_STAT	2806	/*	*/
#define MDC_ATTR_SCHED_STORE_LABEL_STRING	2807	/*	*/
#define MDC_ATTR_SCHED_SEG_NUM	2816	/*	*/
#define MDC_ATTR_SCHED_SEG_INSTNO	2817	/*	*/
#define MDC_ATTR_SCHED_SEG_MAP	2818	/*	*/
#define MDC_ATTR_SCHED_SEG_PERIOD	2819	/*	*/
#define MDC_ATTR_SCHED_SEG_ENTRY_INTERVAL	2820	/*	*/
#define MDC_ATTR_SCHED_SEG_PERSON_ID	2821	/*	*/
#define MDC_ATTR_SCHED_SEG_ENTRY_CNT	2822	/*	*/
#define MDC_ATTR_SCHED_SEG_LABEL_STRING	2823	/*	*/
#define MDC_ATTR_SCHED_SEG_LAST_UPDATED_ABS_TIME	2828	/*	*/
#define MDC_ATTR_SCHED_SEG_LAST_UPDATED_HIRES_TIME	2829	/*	*/
#define MDC_ATTR_SCHED_SEG_LAST_UPDATED_BO_TIME	2830	/*	*/
#define MDC_ATTR_SCHED_SEG_REF_ABS_TIME	2831	/*	*/
#define MDC_ATTR_SCHED_SEG_REF_BO_TIME	2832	/*	*/
#define MDC_ATTR_SCHED_SEG_START_ABS_TIME	2833	/*	*/
#define MDC_ATTR_SCHED_SEG_START_BO_TIME	2834	/*	*/
#define MDC_ATTR_SCHED_SEG_END_ABS_TIME	2835	/*	*/

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#define MDC_ATTR_SCHED_SEG_END_BO_TIME	2836	/*	*/
#define MDC_ATTR_SCHED_SEG_FIXED_DATA	2840	/*	*/
#define MDC_ATTR_SCHED_SEG_CONFIRM_TIMEOUT	2841	/*	*/
#define MDC_ATTR_SCHED_SEG_TRANSFER_TIMEOUT	2842	/*	*/
#define MDC_ATTR_ALERT_SOURCE	2944	/*	*/
#define MDC_ATTR_EVENT_PHASE	2945	/*	*/
#define MDC_ATTR_ALARM_STATE	2946	/*	*/
#define MDC_ATTR_ALARM_INACTIVATION_STATE	2947	/*	*/
#define MDC_ATTR_ALARM_PRIORITY	2948	/*	*/
#define MDC_ATTR_ALERT_TYPE	2949	/*	*/
#define MDC_ATTR_EQUIP_PHASE	2950	/*	*/
#define MDC_ATTR_LS_NAME	2976	/*	*/
#define MDC_ATTR_LS_LOCATION	2977	/*	*/
#define MDC_ATTR_LS_ADDRESS	2978	/*	*/
#define MDC_ATTR_LS_PHASE	2979	/*	*/
#define MDC_ATTR_LS_REF_NAME	2981	/*	*/
#define MDC_ATTR_LS_REF_GPS	2982	/*	*/
#define MDC_ATTR_LS_REF_GPS_LAT	2983	/*	*/
#define MDC_ATTR_LS_REF_GPS_LON	2984	/*	*/
#define MDC_ATTR_LS_REF_GPS_ALT	2985	/*	*/
#define MDC_ATTR_LS_REF_GPS_BEARING	2986	/*	*/
#define MDC_ATTR_LS_REF_LIMITS	2987	/*	*/
#define MDC_ATTR_LS_COORD_XYZ	2988	/*	*/
#define MDC_ATTR_LS_COORD_X	2989	/*	*/
#define MDC_ATTR_LS_COORD_Y	2990	/*	*/
#define MDC_ATTR_LS_COORD_Z	2991	/*	*/
#define MDC_ATTR_LS_COORD_XYZ_ACCY	2992	/*	*/
#define MDC_ATTR_LS_COORD_X_ACCY	2993	/*	*/
#define MDC_ATTR_LS_COORD_Y_ACCY	2994	/*	*/
#define MDC_ATTR_LS_COORD_Z_ACCY	2995	/*	*/
#define MDC_ATTR_GPS_COORDINATES	2996	/*	*/

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#define MDC_ATTR_GPS_LAT	2997	/*	*/
#define MDC_ATTR_GPS_LON	2998	/*	*/
#define MDC_ATTR_GPS_COORD_ACCY	2999	/*	*/
#define MDC_ATTR_GPS_LAT_ACCY	3000	/*	*/
#define MDC_ATTR_GPS_LON_ACCY	3001	/*	*/
#define MDC_ATTR_GPS_ALT	3002	/*	*/
#define MDC_ATTR_GPS_ALT_ACCY	3003	/*	*/
#define MDC_ATTR_GPS_HEADING	3004	/*	*/
#define MDC_ATTR_GPS_PITCH	3005	/*	*/
#define MDC_ATTR_GPS_SPEED	3006	/*	*/
#define MDC_ATTR_PRIV_CODING_SEMANTICS	3007	/*	*/
/* Block: ACT		Partition: 1	
Description: <i>Action</i>			*/
#define MDC_ACT_ADMIT_PT	3074	/*	*/
#define MDC_ACT_CLR_LOG	3075	/*	*/
#define MDC_ACT_DISCH_PT	3076	/*	*/
#define MDC_ACT_GET_CTXT_HELP	3077	/*	*/
#define MDC_ACT_PRE_ADMIT_PT	3078	/*	*/
#define MDC_ACT_REFR_CTXT	3079	/*	*/
#define MDC_ACT_REFR_EPI_DATA	3080	/*	*/
#define MDC_ACT_REFR_OP_ATTR	3081	/*	*/
#define MDC_ACT_REFR_OP_CTXT	3082	/*	*/
#define MDC_ACT_SCO_OP_INVOK	3083	/*	*/
#define MDC_ACT_SEG_CLR	3084	/*	*/
#define MDC_ACT_SEG_GET	3085	/*	*/
#define MDC_ACT_SEG_GET_INFO	3086	/*	*/
#define MDC_ACT_SET_MDS_STATE	3087	/*	*/
#define MDC_ACT_PDMO_TXN	3089	/*	*/
#define MDC_ACT_PDMO_PROMPT	3090	/*	*/
#define MDC_ACT_PDMO_MSG_BOX	3091	/*	*/

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#define MDC_ACT_GET_EVENT_LOG_ENTRIES	3092	/*	*/
#define MDC_ACT_GET_MIB_DATA	3093	/*	*/
#define MDC_ACT_POLL_MDIB_DATA	3094	/*	*/
#define MDC_ACT_SET_TIME	3095	/*	*/
#define MDC_ACT_SET_TIME_ZONE	3096	/*	*/
#define MDC_ACT_SET_LEAP_SECONDS	3097	/*	*/
#define MDC_ACT_SET_TIME_ISO	3098	/*	*/
#define MDC_ACT_DATA_REQUEST	3099	/*	*/
#define MDC_ACT_SEG_TRIG_XFER	3100	/*	*/
#define MDC_ACT_SET_BO_TIME	3101	/*	*/
#define MDC_ACT_SEG_GET_ID_LIST	3102	/*	*/
#define MDC_ACT_SCHED_SEG_GET_INFO	3108	/*	*/
#define MDC_ACT_SCHED_SEG_GET_ID_LIST	3109	/*	*/
#define MDC_ACT_SCHED_SEG_TRIG_XFER	3110	/*	*/
#define MDC_NOTI_SCHED_SEG_DATA	3111	/*	*/
/* Block: NOTI		Partition: 1	
Description: <i>Notification</i>			*/
#define MDC_NOTI_NOS	3328	/*	*/
#define MDC_NOTI_AL_STAT_SCAN_RPT	3329	/*	*/
#define MDC_NOTI_ATTR_UPDT	3330	/*	*/
#define MDC_NOTI_BUF_SCAN_RPT	3331	/*	*/
#define MDC_NOTI_FAST_BUF_SCAN_RPT	3332	/*	*/
#define MDC_NOTI_MDS_ATTR_UPDT	3333	/*	*/
#define MDC_NOTI_MDS_CREAT	3334	/*	*/
#define MDC_NOTI_OBJ_ACTIV	3335	/*	*/
#define MDC_NOTI_OBJ_CREAT	3336	/*	*/
#define MDC_NOTI_OBJ_DEACT	3337	/*	*/
#define MDC_NOTI_OBJ_DEL	3338	/*	*/
#define MDC_NOTI_OP_ATTR_UPDT	3339	/*	*/
#define MDC_NOTI_OP_CREAT	3340	/*	*/

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#define MDC_NOTI_OP_DEL	3341	/*	*/
#define MDC_NOTI_PT_DEMOG_MOD	3342	/*	*/
#define MDC_NOTI_PT_DEMOG_ST_MOD	3343	/*	*/
#define MDC_NOTI_SCAN_ATTR_UPDT	3344	/*	*/
#define MDC_NOTI_SCO_ATTR_UPDT	3345	/*	*/
#define MDC_NOTI_SCO_OP_INVOK_ERR	3346	/*	*/
#define MDC_NOTI_SCO_OP_REQ	3347	/*	*/
#define MDC_NOTI_SCO_PROMPT	3348	/*	*/
#define MDC_NOTI_SYS_ERR	3349	/*	*/
#define MDC_NOTI_UNBUF_SCAN_RPT	3350	/*	*/
#define MDC_NOTI_CONN_INDIC	3351	/*	*/
#define MDC_NOTI_PRINTER_PROMPT	3352	/*	*/
#define MDC_NOTI_PDMO	3353	/*	*/
#define MDC_NOTI_SCO_ST	3354	/*	*/
#define MDC_NOTI_DATE_TIME_CHANGED	3355	/*	*/
#define MDC_NOTI_CONFIG	3356	/*	*/
#define MDC_NOTI_SCAN_REPORT_FIXED	3357	/*	*/
#define MDC_NOTI_SCAN_REPORT_VAR	3358	/*	*/
#define MDC_NOTI_SCAN_REPORT_MP_FIXED	3359	/*	*/
#define MDC_NOTI_SCAN_REPORT_MP_VAR	3360	/*	*/
#define MDC_NOTI_SEGMENT_DATA	3361	/*	*/
#define MDC_NOTI_UNBUF_SCAN_REPORT_VAR	3362	/*	*/
#define MDC_NOTI_UNBUF_SCAN_REPORT_FIXED	3363	/*	*/
#define MDC_NOTI_UNBUF_SCAN_REPORT_GROUPED	3364	/*	*/
#define MDC_NOTI_UNBUF_SCAN_REPORT_MP_VAR	3365	/*	*/
#define MDC_NOTI_UNBUF_SCAN_REPORT_MP_FIXED	3366	/*	*/
#define MDC_NOTI_UNBUF_SCAN_REPORT_MP_GROUPED	3367	/*	*/
#define MDC_NOTI_BUF_SCAN_REPORT_VAR	3368	/*	*/
#define MDC_NOTI_BUF_SCAN_REPORT_FIXED	3369	/*	*/
#define MDC_NOTI_BUF_SCAN_REPORT_GROUPED	3370	/*	*/
#define MDC_NOTI_BUF_SCAN_REPORT_MP_VAR	3371	/*	*/

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#define MDC_NOTI_BUF_SCAN_REPORT_MP_FIXED	3372	/*	*/
#define MDC_NOTI_BUF_SCAN_REPORT_MP_GROUPED	3373	/*	*/
#define MDC_NOTI_CMD_STATUS	3374	/*	*/
#define MDC_OBS_NOS	3584	/*	*/
#define MDC_OBS_WAVE_CTS	3585	/*	*/
#define MDC_OBS_WAVE_NONCTS	3586	/*	*/

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/* Block: MD-Gen Partition: 1

Description: Medical Device - Generic */

#define MDC_DEV	4096	/*	*/
#define MDC_DEV_MDS	4097	/*	*/
#define MDC_DEV_VMD	4098	/*	*/
#define MDC_DEV_CHAN	4099	/*	*/
#define MDC_DEV_ANALY	4100	/*	*/
#define MDC_DEV_ANALY_MDS	4101	/*	*/
#define MDC_DEV_ANALY_VMD	4102	/*	*/
#define MDC_DEV_ANALY_CHAN	4103	/*	*/
#define MDC_DEV_ANALY_SAT_O2	4104	/*	*/
#define MDC_DEV_ANALY_SAT_O2_MDS	4105	/*	*/
#define MDC_DEV_ANALY_SAT_O2_VMD	4106	/*	*/
#define MDC_DEV_ANALY_SAT_O2_CHAN	4107	/*	*/
#define MDC_DEV_ANALY_CONC_GAS_IDENT	4108	/*	*/
#define MDC_DEV_ANALY_CONC_GAS_IDENT_MDS	4109	/*	*/
#define MDC_DEV_ANALY_CONC_GAS_IDENT_VMD	4110	/*	*/
#define MDC_DEV_ANALY_CONC_GAS_IDENT_CHAN	4111	/*	*/
#define MDC_DEV_ANALY_CONC_GAS_MULTI_PARAM	4112	/*	*/
#define MDC_DEV_ANALY_CONC_GAS_MULTI_PARAM_MDS	4113	/*	*/
#define MDC_DEV_ANALY_CONC_GAS_MULTI_PARAM_VMD	4114	/*	*/
#define MDC_DEV_ANALY_CONC_GAS_MULTI_PARAM_CHAN	4115	/*	*/

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#define MDC_DEV_ANALY_URINE_CHEM	4116	/*	*/
#define MDC_DEV_ANALY_URINE_CHEM_MDS	4117	/*	*/
#define MDC_DEV_ANALY_URINE_CHEM_VMD	4118	/*	*/
#define MDC_DEV_ANALY_URINE_CHEM_CHAN	4119	/*	*/
#define MDC_DEV_ANALY_ELEC_POTL_BRAIN	4120	/*	*/
#define MDC_DEV_ANALY_ELEC_POTL_BRAIN_MDS	4121	/*	*/
#define MDC_DEV_ANALY_ELEC_POTL_BRAIN_VMD	4122	/*	*/
#define MDC_DEV_ANALY_ELEC_POTL_BRAIN_CHAN	4123	/*	*/
#define MDC_DEV_ANALY_ELEC_POTL_HEART_ACTIV	4124	/*	*/
#define MDC_DEV_ANALY_ELEC_POTL_HEART_ACTIV_MDS	4125	/*	*/
#define MDC_DEV_ANALY_ELEC_POTL_HEART_ACTIV_VMD	4126	/*	*/
#define MDC_DEV_ANALY_ELEC_POTL_HEART_ACTIV_CHAN	4127	/*	*/
#define MDC_DEV_ANALY_FLOW_AWAY	4128	/* AWF	*/
#define MDC_DEV_ANALY_FLOW_AWAY_MDS	4129	/* AWF	*/
#define MDC_DEV_ANALY_FLOW_AWAY_VMD	4130	/* AWF	*/
#define MDC_DEV_ANALY_FLOW_AWAY_CHAN	4131	/* AWF	*/
#define MDC_DEV_ANALY_CARD_OUTPUT	4132	/*	*/
#define MDC_DEV_ANALY_CARD_OUTPUT_MDS	4133	/*	*/
#define MDC_DEV_ANALY_CARD_OUTPUT_VMD	4134	/*	*/
#define MDC_DEV_ANALY_CARD_OUTPUT_CHAN	4135	/*	*/
#define MDC_DEV_ANALY_FLOW_LUNG	4136	/*	*/
#define MDC_DEV_ANALY_FLOW_LUNG_MDS	4137	/*	*/
#define MDC_DEV_ANALY_FLOW_LUNG_VMD	4138	/*	*/
#define MDC_DEV_ANALY_FLOW_LUNG_CHAN	4139	/*	*/
#define MDC_DEV_ANALY_FLOW_URINE	4140	/*	*/
#define MDC_DEV_ANALY_FLOW_URINE_MDS	4141	/*	*/
#define MDC_DEV_ANALY_FLOW_URINE_VMD	4142	/*	*/
#define MDC_DEV_ANALY_FLOW_URINE_CHAN	4143	/*	*/
#define MDC_DEV_ANALY_AWAY_MULTI_PARAM	4144	/*	*/
#define MDC_DEV_ANALY_AWAY_MULTI_PARAM_MDS	4145	/*	*/
#define MDC_DEV_ANALY_AWAY_MULTI_PARAM_VMD	4146	/*	*/

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#define MDC_DEV_ANALY_AWAY_MULTI_PARAM_CHAN	4147	/*	*/
#define MDC_DEV_ANALY_BLD_CHEM_MULTI_PARAM	4148	/*	*/
#define MDC_DEV_ANALY_BLD_CHEM_MULTI_PARAM_MDS	4149	/*	*/
#define MDC_DEV_ANALY_BLD_CHEM_MULTI_PARAM_VMD	4150	/*	*/
#define MDC_DEV_ANALY_BLD_CHEM_MULTI_PARAM_CHAN	4151	/*	*/
#define MDC_DEV_ANALY_LUNG	4152	/*	*/
#define MDC_DEV_ANALY_LUNG_MDS	4153	/*	*/
#define MDC_DEV_ANALY_LUNG_VMD	4154	/*	*/
#define MDC_DEV_ANALY_LUNG_CHAN	4155	/*	*/
#define MDC_DEV_ANALY_MUSCL	4156	/*	*/
#define MDC_DEV_ANALY_MUSCL_MDS	4157	/*	*/
#define MDC_DEV_ANALY_MUSCL_VMD	4158	/*	*/
#define MDC_DEV_ANALY_MUSCL_CHAN	4159	/*	*/
#define MDC_DEV_ANALY_PT_PHYSIO	4160	/*	*/
#define MDC_DEV_ANALY_PT_PHYSIO_MDS	4161	/*	*/
#define MDC_DEV_ANALY_PT_PHYSIO_VMD	4162	/*	*/
#define MDC_DEV_ANALY_PT_PHYSIO_CHAN	4163	/*	*/
#define MDC_DEV_ANALY_SKIN_MULTI_PARAM	4164	/*	*/
#define MDC_DEV_ANALY_SKIN_MULTI_PARAM_MDS	4165	/*	*/
#define MDC_DEV_ANALY_SKIN_MULTI_PARAM_VMD	4166	/*	*/
#define MDC_DEV_ANALY_SKIN_MULTI_PARAM_CHAN	4167	/*	*/
#define MDC_DEV_ANALY_PRESS_AWAY	4168	/*	*/
#define MDC_DEV_ANALY_PRESS_AWAY_MDS	4169	/*	*/
#define MDC_DEV_ANALY_PRESS_AWAY_VMD	4170	/*	*/
#define MDC_DEV_ANALY_PRESS_AWAY_CHAN	4171	/*	*/
#define MDC_DEV_ANALY_PRESS_BLD	4172	/* BP	*/
#define MDC_DEV_ANALY_PRESS_BLD_MDS	4173	/* BP	*/
#define MDC_DEV_ANALY_PRESS_BLD_VMD	4174	/* BP	*/
#define MDC_DEV_ANALY_PRESS_BLD_CHAN	4175	/* BP	*/
#define MDC_DEV_ANALY_PRESS_BRAIN_INTRACRAN	4176	/* ICP	*/
#define MDC_DEV_ANALY_PRESS_BRAIN_INTRACRAN_MDS	4177	/* ICP	*/

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#define MDC_DEV_ANALY_PRESS_BRAIN_INTRACRAN_VMD	4178	/* ICP	*/
#define MDC_DEV_ANALY_PRESS_BRAIN_INTRACRAN_CHAN	4179	/* ICP	*/
#define MDC_DEV_ANALY_PRESS_LUNG	4180	/*	*/
#define MDC_DEV_ANALY_PRESS_LUNG_MDS	4181	/*	*/
#define MDC_DEV_ANALY_PRESS_LUNG_VMD	4182	/*	*/
#define MDC_DEV_ANALY_PRESS_LUNG_CHAN	4183	/*	*/
#define MDC_DEV_ANALY_RESP_RATE	4184	/*	*/
#define MDC_DEV_ANALY_RESP_RATE_MDS	4185	/*	*/
#define MDC_DEV_ANALY_RESP_RATE_VMD	4186	/*	*/
#define MDC_DEV_ANALY_RESP_RATE_CHAN	4187	/*	*/
#define MDC_DEV_ANALY_RES_LUNG	4188	/*	*/
#define MDC_DEV_ANALY_RES_LUNG_MDS	4189	/*	*/
#define MDC_DEV_ANALY_RES_LUNG_VMD	4190	/*	*/
#define MDC_DEV_ANALY_RES_LUNG_CHAN	4191	/*	*/
#define MDC_DEV_ANALY_TEMP_HEART_OUTPUT	4192	/*	*/
#define MDC_DEV_ANALY_TEMP_HEART_OUTPUT_MDS	4193	/*	*/
#define MDC_DEV_ANALY_TEMP_HEART_OUTPUT_VMD	4194	/*	*/
#define MDC_DEV_ANALY_TEMP_HEART_OUTPUT_CHAN	4195	/*	*/
#define MDC_DEV_ANALY_VOL_HEART	4196	/*	*/
#define MDC_DEV_ANALY_VOL_HEART_MDS	4197	/*	*/
#define MDC_DEV_ANALY_VOL_HEART_VMD	4198	/*	*/
#define MDC_DEV_ANALY_VOL_HEART_CHAN	4199	/*	*/
#define MDC_DEV_ANALY_VOL_LUNG	4200	/*	*/
#define MDC_DEV_ANALY_VOL_LUNG_MDS	4201	/*	*/
#define MDC_DEV_ANALY_VOL_LUNG_VMD	4202	/*	*/
#define MDC_DEV_ANALY_VOL_LUNG_CHAN	4203	/*	*/
#define MDC_DEV_CALC	4204	/*	*/
#define MDC_DEV_CALC_MDS	4205	/*	*/
#define MDC_DEV_CALC_VMD	4206	/*	*/
#define MDC_DEV_CALC_CHAN	4207	/*	*/
#define MDC_DEV_CALC_HEMO	4208	/*	*/

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#define MDC_DEV_CALC_HEMO_MDS	4209	/*	*/
#define MDC_DEV_CALC_HEMO_VMD	4210	/*	*/
#define MDC_DEV_CALC_HEMO_CHAN	4211	/*	*/
#define MDC_DEV_CALC_RENAL	4212	/*	*/
#define MDC_DEV_CALC_RENAL_MDS	4213	/*	*/
#define MDC_DEV_CALC_RENAL_VMD	4214	/*	*/
#define MDC_DEV_CALC_RENAL_CHAN	4215	/*	*/
#define MDC_DEV_FILTER_CONC	4216	/*	*/
#define MDC_DEV_FILTER_CONC_MDS	4217	/*	*/
#define MDC_DEV_FILTER_CONC_VMD	4218	/*	*/
#define MDC_DEV_FILTER_CONC_CHAN	4219	/*	*/
#define MDC_DEV_FILTER_CONC_AWAY	4220	/*	*/
#define MDC_DEV_FILTER_CONC_AWAY_MDS	4221	/*	*/
#define MDC_DEV_FILTER_CONC_AWAY_VMD	4222	/*	*/
#define MDC_DEV_FILTER_CONC_AWAY_CHAN	4223	/*	*/
#define MDC_DEV_GEN	4224	/*	*/
#define MDC_DEV_GEN_MDS	4225	/*	*/
#define MDC_DEV_GEN_VMD	4226	/*	*/
#define MDC_DEV_GEN_CHAN	4227	/*	*/
#define MDC_DEV_GEN_CONC_AWAY	4228	/*	*/
#define MDC_DEV_GEN_CONC_AWAY_MDS	4229	/*	*/
#define MDC_DEV_GEN_CONC_AWAY_VMD	4230	/*	*/
#define MDC_DEV_GEN_CONC_AWAY_CHAN	4231	/*	*/
#define MDC_DEV_GEN_ELEC_POTL_HEART_DEFIB	4232	/*	*/
#define MDC_DEV_GEN_ELEC_POTL_HEART_DEFIB_MDS	4233	/*	*/
#define MDC_DEV_GEN_ELEC_POTL_HEART_DEFIB_VMD	4234	/*	*/
#define MDC_DEV_GEN_ELEC_POTL_HEART_DEFIB_CHAN	4235	/*	*/
#define MDC_DEV_GEN_ELEC_POTL_MUSCL	4236	/*	*/
#define MDC_DEV_GEN_ELEC_POTL_MUSCL_MDS	4237	/*	*/
#define MDC_DEV_GEN_ELEC_POTL_MUSCL_VMD	4238	/*	*/
#define MDC_DEV_GEN_ELEC_POTL_MUSCL_CHAN	4239	/*	*/

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#define MDC_DEV_GEN_ELEC_POTL_SKIN	4240	/*	*/
#define MDC_DEV_GEN_ELEC_POTL_SKIN_MDS	4241	/*	*/
#define MDC_DEV_GEN_ELEC_POTL_SKIN_VMD	4242	/*	*/
#define MDC_DEV_GEN_ELEC_POTL_SKIN_CHAN	4243	/*	*/
#define MDC_DEV_GEN_EVOK_POTL_BRAIN_MULTI_PARAM	4244	/*	*/
#define MDC_DEV_GEN_EVOK_POTL_BRAIN_MULTI_PARAM_MDS	4245	/*	*/
#define MDC_DEV_GEN_EVOK_POTL_BRAIN_MULTI_PARAM_VMD	4246	/*	*/
#define MDC_DEV_GEN_EVOK_POTL_BRAIN_MULTI_PARAM_CHAN	4247	/*	*/
#define MDC_DEV_GEN_RATE_HEART	4248	/*	*/
#define MDC_DEV_GEN_RATE_HEART_MDS	4249	/*	*/
#define MDC_DEV_GEN_RATE_HEART_VMD	4250	/*	*/
#define MDC_DEV_GEN_RATE_HEART_CHAN	4251	/*	*/
#define MDC_DEV_GEN_TEMP_MUSCL	4252	/*	*/
#define MDC_DEV_GEN_TEMP_MUSCL_MDS	4253	/*	*/
#define MDC_DEV_GEN_TEMP_MUSCL_VMD	4254	/*	*/
#define MDC_DEV_GEN_TEMP_MUSCL_CHAN	4255	/*	*/
#define MDC_DEV_METER	4256	/*	*/
#define MDC_DEV_METER_MDS	4257	/*	*/
#define MDC_DEV_METER_VMD	4258	/*	*/
#define MDC_DEV_METER_CHAN	4259	/*	*/
#define MDC_DEV_ECG	4260	/*	*/
#define MDC_DEV_ECG_MDS	4261	/*	*/
#define MDC_DEV_ECG_VMD	4262	/*	*/
#define MDC_DEV_ECG_CHAN	4263	/*	*/
#define MDC_DEV_METER_CONC_SKIN_GAS	4264	/*	*/
#define MDC_DEV_METER_CONC_SKIN_GAS_MDS	4265	/*	*/
#define MDC_DEV_METER_CONC_SKIN_GAS_VMD	4266	/*	*/
#define MDC_DEV_METER_CONC_SKIN_GAS_CHAN	4267	/*	*/
#define MDC_DEV_METER_CONC_URINE	4268	/*	*/
#define MDC_DEV_METER_CONC_URINE_MDS	4269	/*	*/
#define MDC_DEV_METER_CONC_URINE_VMD	4270	/*	*/

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#define MDC_DEV_METER_CONC_URINE_CHAN	4271	/*	*/
#define MDC_DEV_EEG	4272	/*	*/
#define MDC_DEV_EEG_MDS	4273	/*	*/
#define MDC_DEV_EEG_VMD	4274	/*	*/
#define MDC_DEV_EEG_CHAN	4275	/*	*/
#define MDC_DEV_EMG	4276	/*	*/
#define MDC_DEV_EMG_MDS	4277	/*	*/
#define MDC_DEV_EMG_VMD	4278	/*	*/
#define MDC_DEV_EMG_CHAN	4279	/*	*/
#define MDC_DEV_METER_FLOW_AWAY	4280	/*	*/
#define MDC_DEV_METER_FLOW_AWAY_MDS	4281	/*	*/
#define MDC_DEV_METER_FLOW_AWAY_VMD	4282	/*	*/
#define MDC_DEV_METER_FLOW_AWAY_CHAN	4283	/*	*/
#define MDC_DEV_METER_FLOW_BLD	4284	/*	*/
#define MDC_DEV_METER_FLOW_BLD_MDS	4285	/*	*/
#define MDC_DEV_METER_FLOW_BLD_VMD	4286	/*	*/
#define MDC_DEV_METER_FLOW_BLD_CHAN	4287	/*	*/
#define MDC_DEV_METER_FLOW_CARD	4288	/*	*/
#define MDC_DEV_METER_FLOW_CARD_MDS	4289	/*	*/
#define MDC_DEV_METER_FLOW_CARD_VMD	4290	/*	*/
#define MDC_DEV_METER_FLOW_CARD_CHAN	4291	/*	*/
#define MDC_DEV_METER_FLOW_LUNG	4292	/*	*/
#define MDC_DEV_METER_FLOW_LUNG_MDS	4293	/*	*/
#define MDC_DEV_METER_FLOW_LUNG_VMD	4294	/*	*/
#define MDC_DEV_METER_FLOW_LUNG_CHAN	4295	/*	*/
#define MDC_DEV_METER_FLOW_URINE	4296	/*	*/
#define MDC_DEV_METER_FLOW_URINE_MDS	4297	/*	*/
#define MDC_DEV_METER_FLOW_URINE_VMD	4298	/*	*/
#define MDC_DEV_METER_FLOW_URINE_CHAN	4299	/*	*/
#define MDC_DEV_METER_PHYSIO_MULTI_PARAM	4300	/*	*/
#define MDC_DEV_METER_PHYSIO_MULTI_PARAM_MDS	4301	/*	*/

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#define MDC_DEV_METER_PHYSIO_MULTI_PARAM_VMD	4302	/*	*/
#define MDC_DEV_METER_PHYSIO_MULTI_PARAM_CHAN	4303	/*	*/
#define MDC_DEV_METER_SKIN_MULTI_PARAM	4304	/*	*/
#define MDC_DEV_METER_SKIN_MULTI_PARAM_MDS	4305	/*	*/
#define MDC_DEV_METER_SKIN_MULTI_PARAM_VMD	4306	/*	*/
#define MDC_DEV_METER_SKIN_MULTI_PARAM_CHAN	4307	/*	*/
#define MDC_DEV_METER_BLD_CHEM	4308	/*	*/
#define MDC_DEV_METER_BLD_CHEM_MDS	4309	/*	*/
#define MDC_DEV_METER_BLD_CHEM_VMD	4310	/*	*/
#define MDC_DEV_METER_BLD_CHEM_CHAN	4311	/*	*/
#define MDC_DEV_METER_PRESS_AIR	4312	/*	*/
#define MDC_DEV_METER_PRESS_AIR_MDS	4313	/*	*/
#define MDC_DEV_METER_PRESS_AIR_VMD	4314	/*	*/
#define MDC_DEV_METER_PRESS_AIR_CHAN	4315	/*	*/
#define MDC_DEV_METER_PRESS_BLD	4316	/* BP	*/
#define MDC_DEV_METER_PRESS_BLD_MDS	4317	/* BP	*/
#define MDC_DEV_METER_PRESS_BLD_VMD	4318	/* BP	*/
#define MDC_DEV_METER_PRESS_BLD_CHAN	4319	/* BP	*/
#define MDC_DEV_METER_PRESS_INTRA_CRAN	4320	/* ICP	*/
#define MDC_DEV_METER_PRESS_INTRA_CRAN_MDS	4321	/* ICP	*/
#define MDC_DEV_METER_PRESS_INTRA_CRAN_VMD	4322	/* ICP	*/
#define MDC_DEV_METER_PRESS_INTRA_CRAN_CHAN	4323	/* ICP	*/
#define MDC_DEV_METER_PRESS_HEART	4324	/*	*/
#define MDC_DEV_METER_PRESS_HEART_MDS	4325	/*	*/
#define MDC_DEV_METER_PRESS_HEART_VMD	4326	/*	*/
#define MDC_DEV_METER_PRESS_HEART_CHAN	4327	/*	*/
#define MDC_DEV_METER_PRESS_LUNG	4328	/*	*/
#define MDC_DEV_METER_PRESS_LUNG_MDS	4329	/*	*/
#define MDC_DEV_METER_PRESS_LUNG_VMD	4330	/*	*/
#define MDC_DEV_METER_PRESS_LUNG_CHAN	4331	/*	*/
#define MDC_DEV_METER_RES_AIR	4332	/*	*/

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#define MDC_DEV_METER_RES_AIR_MDS	4333	/*	*/
#define MDC_DEV_METER_RES_AIR_VMD	4334	/*	*/
#define MDC_DEV_METER_RES_AIR_CHAN	4335	/*	*/
#define MDC_DEV_METER_RES_LUNG	4336	/*	*/
#define MDC_DEV_METER_RES_LUNG_MDS	4337	/*	*/
#define MDC_DEV_METER_RES_LUNG_VMD	4338	/*	*/
#define MDC_DEV_METER_RES_LUNG_CHAN	4339	/*	*/
#define MDC_DEV_METER_STRENGTH_MUSCL	4340	/*	*/
#define MDC_DEV_METER_STRENGTH_MUSCL_MDS	4341	/*	*/
#define MDC_DEV_METER_STRENGTH_MUSCL_VMD	4342	/*	*/
#define MDC_DEV_METER_STRENGTH_MUSCL_CHAN	4343	/*	*/
#define MDC_DEV_METER_TEMP_AIR	4344	* TEMP airw	*/
#define MDC_DEV_METER_TEMP_AIR_MDS	4345	/* TEMP airw	*/
#define MDC_DEV_METER_TEMP_AIR_VMD	4346	/* TEMP airw	*/
#define MDC_DEV_METER_TEMP_AIR_CHAN	4347	/* TEMP airw	*/
#define MDC_DEV_METER_TEMP_BLD	4348	/*	*/
#define MDC_DEV_METER_TEMP_BLD_MDS	4349	/*	*/
#define MDC_DEV_METER_TEMP_BLD_VMD	4350	/*	*/
#define MDC_DEV_METER_TEMP_BLD_CHAN	4351	/*	*/
#define MDC_DEV_METER_TEMP_BRAIN	4352	/*	*/
#define MDC_DEV_METER_TEMP_BRAIN_MDS	4353	/*	*/
#define MDC_DEV_METER_TEMP_BRAIN_VMD	4354	/*	*/
#define MDC_DEV_METER_TEMP_BRAIN_CHAN	4355	/*	*/
#define MDC_DEV_METER_TEMP_HEART	4356	/*	*/
#define MDC_DEV_METER_TEMP_HEART_MDS	4357	/*	*/
#define MDC_DEV_METER_TEMP_HEART_VMD	4358	/*	*/
#define MDC_DEV_METER_TEMP_HEART_CHAN	4359	/*	*/
#define MDC_DEV_METER_TEMP_LUNG	4360	/*	*/
#define MDC_DEV_METER_TEMP_LUNG_MDS	4361	/*	*/
#define MDC_DEV_METER_TEMP_LUNG_VMD	4362	/*	*/
#define MDC_DEV_METER_TEMP_LUNG_CHAN	4363	/*	*/

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#define MDC_DEV_METER_TEMP	4364	/*	*/
#define MDC_DEV_METER_TEMP_MDS	4365	/*	*/
#define MDC_DEV_METER_TEMP_VMD	4366	/*	*/
#define MDC_DEV_METER_TEMP_CHAN	4367	/*	*/
#define MDC_DEV_METER_TEMP_RENAL	4368	/*	*/
#define MDC_DEV_METER_TEMP_RENAL_MDS	4369	/*	*/
#define MDC_DEV_METER_TEMP_RENAL_VMD	4370	/*	*/
#define MDC_DEV_METER_TEMP_RENAL_CHAN	4371	/*	*/
#define MDC_DEV_METER_TEMP_SKIN	4372	/*	*/
#define MDC_DEV_METER_TEMP_SKIN_MDS	4373	/*	*/
#define MDC_DEV_METER_TEMP_SKIN_VMD	4374	/*	*/
#define MDC_DEV_METER_TEMP_SKIN_CHAN	4375	/*	*/
#define MDC_DEV_METER_VOL_AIR	4376	/*	*/
#define MDC_DEV_METER_VOL_AIR_MDS	4377	/*	*/
#define MDC_DEV_METER_VOL_AIR_VMD	4378	/*	*/
#define MDC_DEV_METER_VOL_AIR_CHAN	4379	/*	*/
#define MDC_DEV_METER_VOL_HEART	4380	/*	*/
#define MDC_DEV_METER_VOL_HEART_MDS	4381	/*	*/
#define MDC_DEV_METER_VOL_HEART_VMD	4382	/*	*/
#define MDC_DEV_METER_VOL_HEART_CHAN	4383	/*	*/
#define MDC_DEV_METER_VOL_MUSCL	4384	/*	*/
#define MDC_DEV_METER_VOL_MUSCL_MDS	4385	/*	*/
#define MDC_DEV_METER_VOL_MUSCL_VMD	4386	/*	*/
#define MDC_DEV_METER_VOL_MUSCL_CHAN	4387	/*	*/
#define MDC_DEV_MON	4388	/*	*/
#define MDC_DEV_MON_MDS	4389	/*	*/
#define MDC_DEV_MON_VMD	4390	/*	*/
#define MDC_DEV_MON_CHAN	4391	/*	*/
#define MDC_DEV_MON_URINE_CHEM	4392	/*	*/
#define MDC_DEV_MON_URINE_CHEM_MDS	4393	/*	*/
#define MDC_DEV_MON_URINE_CHEM_VMD	4394	/*	*/

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#define MDC_DEV_MON_URINE_CHEM_CHAN	4395	/*	*/
#define MDC_DEV_MON_BLD_CHEM_MULTI_PARAM	4396	/*	*/
#define MDC_DEV_MON_BLD_CHEM_MULTI_PARAM_MDS	4397	/*	*/
#define MDC_DEV_MON_BLD_CHEM_MULTI_PARAM_VMD	4398	/*	*/
#define MDC_DEV_MON_BLD_CHEM_MULTI_PARAM_CHAN	4399	/*	*/
#define MDC_DEV_MON_BRAIN_FUNC	4400	/*	*/
#define MDC_DEV_MON_BRAIN_FUNC_MDS	4401	/*	*/
#define MDC_DEV_MON_BRAIN_FUNC_VMD	4402	/*	*/
#define MDC_DEV_MON_BRAIN_FUNC_CHAN	4403	/*	*/
#define MDC_DEV_MON_HEART_MULTI_PARAM	4404	/*	*/
#define MDC_DEV_MON_HEART_MULTI_PARAM_MDS	4405	/*	*/
#define MDC_DEV_MON_HEART_MULTI_PARAM_VMD	4406	/*	*/
#define MDC_DEV_MON_HEART_MULTI_PARAM_CHAN	4407	/*	*/
#define MDC_DEV_MON_LUNG_FUNC	4408	/*	*/
#define MDC_DEV_MON_LUNG_FUNC_MDS	4409	/*	*/
#define MDC_DEV_MON_LUNG_FUNC_VMD	4410	/*	*/
#define MDC_DEV_MON_LUNG_FUNC_CHAN	4411	/*	*/
#define MDC_DEV_MON_MUSCL	4412	/*	*/
#define MDC_DEV_MON_MUSCL_MDS	4413	/*	*/
#define MDC_DEV_MON_MUSCL_VMD	4414	/*	*/
#define MDC_DEV_MON_MUSCL_CHAN	4415	/*	*/
#define MDC_DEV_MON_PT_PHYSIO_MULTI_PARAM	4416	/*	*/
#define MDC_DEV_MON_PT_PHYSIO_MULTI_PARAM_MDS	4417	/*	*/
#define MDC_DEV_MON_PT_PHYSIO_MULTI_PARAM_VMD	4418	/*	*/
#define MDC_DEV_MON_PT_PHYSIO_MULTI_PARAM_CHAN	4419	/*	*/
#define MDC_DEV_MON_RENAL_FUNC_MULTI_PARAM	4420	/*	*/
#define MDC_DEV_MON_RENAL_FUNC_MULTI_PARAM_MDS	4421	/*	*/
#define MDC_DEV_MON_RENAL_FUNC_MULTI_PARAM_VMD	4422	/*	*/
#define MDC_DEV_MON_RENAL_FUNC_MULTI_PARAM_CHAN	4423	/*	*/
#define MDC_DEV_MON_SKIN_MULTI_PARAM	4424	/*	*/
#define MDC_DEV_MON_SKIN_MULTI_PARAM_MDS	4425	/*	*/

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#define MDC_DEV_MON_SKIN_MULTI_PARAM_VMD	4426	/*	*/
#define MDC_DEV_MON_SKIN_MULTI_PARAM_CHAN	4427	/*	*/
#define MDC_DEV_MON_PHYSIO_MULTI_PARAM	4428	/*	*/
#define MDC_DEV_MON_PHYSIO_MULTI_PARAM_MDS	4429	/*	*/
#define MDC_DEV_MON_PHYSIO_MULTI_PARAM_VMD	4430	/*	*/
#define MDC_DEV_MON_PHYSIO_MULTI_PARAM_CHAN	4431	/*	*/
#define MDC_DEV_PUMP	4432	/*	*/
#define MDC_DEV_PUMP_MDS	4433	/*	*/
#define MDC_DEV_PUMP_VMD	4434	/*	*/
#define MDC_DEV_PUMP_CHAN	4435	/*	*/
#define MDC_DEV_PUMP_HEART_LUNG	4436	/*	*/
#define MDC_DEV_PUMP_HEART_LUNG_MDS	4437	/*	*/
#define MDC_DEV_PUMP_HEART_LUNG_VMD	4438	/*	*/
#define MDC_DEV_PUMP_HEART_LUNG_CHAN	4439	/*	*/
#define MDC_DEV_PUMP_FLOW_HEART	4440	/*	*/
#define MDC_DEV_PUMP_FLOW_HEART_MDS	4441	/*	*/
#define MDC_DEV_PUMP_FLOW_HEART_VMD	4442	/*	*/
#define MDC_DEV_PUMP_FLOW_HEART_CHAN	4443	/*	*/
#define MDC_DEV_PUMP_PRESS_BLD_INTRAORT	4444	/*	*/
#define MDC_DEV_PUMP_PRESS_BLD_INTRAORT_MDS	4445	/*	*/
#define MDC_DEV_PUMP_PRESS_BLD_INTRAORT_VMD	4446	/*	*/
#define MDC_DEV_PUMP_PRESS_BLD_INTRAORT_CHAN	4447	/*	*/
#define MDC_DEV_PUMP_INFUS	4448	/*	*/
#define MDC_DEV_PUMP_INFUS_MDS	4449	/*	*/
#define MDC_DEV_PUMP_INFUS_VMD	4450	/*	*/
#define MDC_DEV_PUMP_INFUS_CHAN	4451	/*	*/
#define MDC_DEV_REGUL	4452	/*	*/
#define MDC_DEV_REGUL_MDS	4453	/*	*/
#define MDC_DEV_REGUL_VMD	4454	/*	*/
#define MDC_DEV_REGUL_CHAN	4455	/*	*/
#define MDC_DEV_REGUL_FLOW_AWAY_VENT	4456	/*	*/

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#define MDC_DEV_REGUL_FLOW_AWAY_VENT_MDS	4457	/ *	*/
#define MDC_DEV_REGUL_FLOW_AWAY_VENT_VMD	4458	/ *	*/
#define MDC_DEV_REGUL_FLOW_AWAY_VENT_CHAN	4459	/ *	*/
#define MDC_DEV_REGUL_BLD_CHEM	4460	/ *	*/
#define MDC_DEV_REGUL_BLD_CHEM_MDS	4461	/ *	*/
#define MDC_DEV_REGUL_BLD_CHEM_VMD	4462	/ *	*/
#define MDC_DEV_REGUL_BLD_CHEM_CHAN	4463	/ *	*/
#define MDC_DEV_SYS_PT_VENT	4464	/ *	*/
#define MDC_DEV_SYS_PT_VENT_MDS	4465	/ *	*/
#define MDC_DEV_SYS_PT_VENT_VMD	4466	/ *	*/
#define MDC_DEV_SYS_PT_VENT_CHAN	4467	/ *	*/
#define MDC_DEV_REGUL_DECOMPRESS	4468	/ *	*/
#define MDC_DEV_REGUL_DECOMPRESS_MDS	4469	/ *	*/
#define MDC_DEV_REGUL_DECOMPRESS_VMD	4470	/ *	*/
#define MDC_DEV_REGUL_DECOMPRESS_CHAN	4471	/ *	*/
#define MDC_DEV_REGUL_PRESS_LUNG	4472	/ *	*/
#define MDC_DEV_REGUL_PRESS_LUNG_MDS	4473	/ *	*/
#define MDC_DEV_REGUL_PRESS_LUNG_VMD	4474	/ *	*/
#define MDC_DEV_REGUL_PRESS_LUNG_CHAN	4475	/ *	*/
#define MDC_DEV_REGUL_RATE_VENT	4476	/ * RR	*/
#define MDC_DEV_REGUL_RATE_VENT_MDS	4477	/ * RR	*/
#define MDC_DEV_REGUL_RATE_VENT_VMD	4478	/ * RR	*/
#define MDC_DEV_REGUL_RATE_VENT_CHAN	4479	/ * RR	*/
#define MDC_DEV_REGUL_TEMP_BLD	4480	/ *	*/
#define MDC_DEV_REGUL_TEMP_BLD_MDS	4481	/ *	*/
#define MDC_DEV_REGUL_TEMP_BLD_VMD	4482	/ *	*/
#define MDC_DEV_REGUL_TEMP_BLD_CHAN	4483	/ *	*/
#define MDC_DEV_REGUL_TEMP_SKIN	4484	/ *	*/
#define MDC_DEV_REGUL_TEMP_SKIN_MDS	4485	/ *	*/
#define MDC_DEV_REGUL_TEMP_SKIN_VMD	4486	/ *	*/
#define MDC_DEV_REGUL_TEMP_SKIN_CHAN	4487	/ *	*/

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#define MDC_DEV_REGUL_VOL_VENT	4488	/* VD	*/
#define MDC_DEV_REGUL_VOL_VENT_MDS	4489	/* VD	*/
#define MDC_DEV_REGUL_VOL_VENT_VMD	4490	/* VD	*/
#define MDC_DEV_REGUL_VOL_VENT_CHAN	4491	/* VD	*/
#define MDC_DEV_SYS_MULTI_MODAL	4492	/*	*/
#define MDC_DEV_SYS_MULTI_MODAL_MDS	4493	/*	*/
#define MDC_DEV_SYS_MULTI_MODAL_VMD	4494	/*	*/
#define MDC_DEV_SYS_MULTI_MODAL_CHAN	4495	/*	*/
#define MDC_DEV_SYS_BRAIN_MULTI_PARAM	4496	/*	*/
#define MDC_DEV_SYS_BRAIN_MULTI_PARAM_MDS	4497	/*	*/
#define MDC_DEV_SYS_BRAIN_MULTI_PARAM_VMD	4498	/*	*/
#define MDC_DEV_SYS_BRAIN_MULTI_PARAM_CHAN	4499	/*	*/
#define MDC_DEV_SYS_CARD_MULTI_PARAM	4500	/*	*/
#define MDC_DEV_SYS_CARD_MULTI_PARAM_MDS	4501	/*	*/
#define MDC_DEV_SYS_CARD_MULTI_PARAM_VMD	4502	/*	*/
#define MDC_DEV_SYS_CARD_MULTI_PARAM_CHAN	4503	/*	*/
#define MDC_DEV_SYS_ANESTH	4504	/*	*/
#define MDC_DEV_SYS_ANESTH_MDS	4505	/*	*/
#define MDC_DEV_SYS_ANESTH_VMD	4506	/*	*/
#define MDC_DEV_SYS_ANESTH_CHAN	4507	/*	*/
#define MDC_DEV_SYS_PHYSIO_MULTI_PARAM	4508	/*	*/
#define MDC_DEV_SYS_PHYSIO_MULTI_PARAM_MDS	4509	/*	*/
#define MDC_DEV_SYS_PHYSIO_MULTI_PARAM_VMD	4510	/*	*/
#define MDC_DEV_SYS_PHYSIO_MULTI_PARAM_CHAN	4511	/*	*/
#define MDC_DEV_GENERAL	5120	/*	*/
#define MDC_DEV_GENERAL_MDS	5121	/*	*/
#define MDC_DEV_GENERAL_VMD	5122	/*	*/
#define MDC_DEV_GENERAL_CHAN	5123	/*	*/
#define MDC_DEV_AUX	5124	/*	*/
#define MDC_DEV_AUX_MDS	5125	/*	*/
#define MDC_DEV_AUX_VMD	5126	/*	*/

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#define MDC_DEV_AUX_CHAN	5127	/ *	*/
#define MDC_DEV_ECG_RESP	5128	/ *	*/
#define MDC_DEV_ECG_RESP_MDS	5129	/ *	*/
#define MDC_DEV_ECG_RESP_VMD	5130	/ *	*/
#define MDC_DEV_ECG_RESP_CHAN	5131	/ *	*/
#define MDC_DEV_ARRHY	5132	/ *	*/
#define MDC_DEV_ARRHY_MDS	5133	/ *	*/
#define MDC_DEV_ARRHY_VMD	5134	/ *	*/
#define MDC_DEV_ARRHY_CHAN	5135	/ *	*/
#define MDC_DEV_PULS	5136	/ *	*/
#define MDC_DEV_PULS_MDS	5137	/ *	*/
#define MDC_DEV_PULS_VMD	5138	/ *	*/
#define MDC_DEV_PULS_CHAN	5139	/ *	*/
#define MDC_DEV_ST	5140	/ *	*/
#define MDC_DEV_ST_MDS	5141	/ *	*/
#define MDC_DEV_ST_VMD	5142	/ *	*/
#define MDC_DEV_ST_CHAN	5143	/ *	*/
#define MDC_DEV_CO2	5144	/ *	*/
#define MDC_DEV_CO2_MDS	5145	/ *	*/
#define MDC_DEV_CO2_VMD	5146	/ *	*/
#define MDC_DEV_CO2_CHAN	5147	/ *	*/
#define MDC_DEV_PRESS_BLD_NONINV	5148	/ * NBP	*/
#define MDC_DEV_PRESS_BLD_NONINV_MDS	5149	/ * NBP	*/
#define MDC_DEV_PRESS_BLD_NONINV_VMD	5150	/ * NBP	*/
#define MDC_DEV_PRESS_BLD_NONINV_CHAN	5151	/ * NBP	*/
#define MDC_DEV_CEREB_PERF	5152	/ *	*/
#define MDC_DEV_CEREB_PERF_MDS	5153	/ *	*/
#define MDC_DEV_CEREB_PERF_VMD	5154	/ *	*/
#define MDC_DEV_CEREB_PERF_CHAN	5155	/ *	*/
#define MDC_DEV_CO2_CTS	5156	/ *	*/
#define MDC_DEV_CO2_CTS_MDS	5157	/ *	*/

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#define MDC_DEV_CO2_CTS_VMD	5158	/*	*/
#define MDC_DEV_CO2_CTS_CHAN	5159	/*	*/
#define MDC_DEV_CO2_TCUT	5160	/*	*/
#define MDC_DEV_CO2_TCUT_MDS	5161	/*	*/
#define MDC_DEV_CO2_TCUT_VMD	5162	/*	*/
#define MDC_DEV_CO2_TCUT_CHAN	5163	/*	*/
#define MDC_DEV_O2	5164	/*	*/
#define MDC_DEV_O2_MDS	5165	/*	*/
#define MDC_DEV_O2_VMD	5166	/*	*/
#define MDC_DEV_O2_CHAN	5167	/*	*/
#define MDC_DEV_O2_CTS	5168	/*	*/
#define MDC_DEV_O2_CTS_MDS	5169	/*	*/
#define MDC_DEV_O2_CTS_VMD	5170	/*	*/
#define MDC_DEV_O2_CTS_CHAN	5171	/*	*/
#define MDC_DEV_O2_TCUT	5172	/*	*/
#define MDC_DEV_O2_TCUT_MDS	5173	/*	*/
#define MDC_DEV_O2_TCUT_VMD	5174	/*	*/
#define MDC_DEV_O2_TCUT_CHAN	5175	/*	*/
#define MDC_DEV_TEMP_DIFF	5176	/*	*/
#define MDC_DEV_TEMP_DIFF_MDS	5177	/*	*/
#define MDC_DEV_TEMP_DIFF_VMD	5178	/*	*/
#define MDC_DEV_TEMP_DIFF_CHAN	5179	/*	*/
#define MDC_DEV_CNTRL	5180	/*	*/
#define MDC_DEV_CNTRL_MDS	5181	/*	*/
#define MDC_DEV_CNTRL_VMD	5182	/*	*/
#define MDC_DEV_CNTRL_CHAN	5183	/*	*/
#define MDC_DEV_AL	5184	/*	*/
#define MDC_DEV_AL_MDS	5185	/*	*/
#define MDC_DEV_AL_VMD	5186	/*	*/
#define MDC_DEV_AL_CHAN	5187	/*	*/
#define MDC_DEV_WEDGE	5188	/*	*/

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#define MDC_DEV_WEDGE_MDS	5189	/*	*/
#define MDC_DEV_WEDGE_VMD	5190	/*	*/
#define MDC_DEV_WEDGE_CHAN	5191	/*	*/
#define MDC_DEV_O2_VEN_SAT	5192	/* SvO2	*/
#define MDC_DEV_O2_VEN_SAT_MDS	5193	/* SvO2	*/
#define MDC_DEV_O2_VEN_SAT_VMD	5194	/* SvO2	*/
#define MDC_DEV_O2_VEN_SAT_CHAN	5195	/* SvO2	*/
#define MDC_DEV_PMSTORE	5196	/*	*/
#define MDC_DEV_PMSTORE_MDS	5197	/*	*/
#define MDC_DEV_PMSTORE_VMD	5198	/*	*/
#define MDC_DEV_PMSTORE_CHAN	5199	/*	*/
#define MDC_DEV_CARD_RATE	5200	/*	*/
#define MDC_DEV_CARD_RATE_MDS	5201	/*	*/
#define MDC_DEV_CARD_RATE_VMD	5202	/*	*/
#define MDC_DEV_CARD_RATE_CHAN	5203	/*	*/
#define MDC_DEV_SYS_VS	5204	/*	*/
#define MDC_DEV_SYS_VS_MDS	5205	/*	*/
#define MDC_DEV_SYS_VS_VMD	5206	/*	*/
#define MDC_DEV_SYS_VS_CHAN	5207	/*	*/
#define MDC_DEV_SYS_VS_CONFIG	5208	/*	*/
#define MDC_DEV_SYS_VS_CONFIG_MDS	5209	/*	*/
#define MDC_DEV_SYS_VS_CONFIG_VMD	5210	/*	*/
#define MDC_DEV_SYS_VS_CONFIG_CHAN	5211	/*	*/
#define MDC_DEV_SYS_VS_UNCONFIG	5212	/*	*/
#define MDC_DEV_SYS_VS_UNCONFIG_MDS	5213	/*	*/
#define MDC_DEV_SYS_VS_UNCONFIG_VMD	5214	/*	*/
#define MDC_DEV_SYS_VS_UNCONFIG_CHAN	5215	/*	*/
#define MDC_DEV_AL_STAT	5216	/*	*/
#define MDC_DEV_AL_STAT_MDS	5217	/*	*/
#define MDC_DEV_AL_STAT_VMD	5218	/*	*/
#define MDC_DEV_AL_STAT_CHAN	5219	/*	*/

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#define MDC_DEV_WV_GENERAL	5220	/*	*/
#define MDC_DEV_WV_GENERAL_MDS	5221	/*	*/
#define MDC_DEV_WV_GENERAL_VMD	5222	/*	*/
#define MDC_DEV_WV_GENERAL_CHAN	5223	/*	*/
#define MDC_DEV_NU_GENERAL	5224	/*	*/
#define MDC_DEV_NU_GENERAL_MDS	5225	/*	*/
#define MDC_DEV_NU_GENERAL_VMD	5226	/*	*/
#define MDC_DEV_NU_GENERAL_CHAN	5227	/*	*/
#define MDC_DEV_METER_PRESS	5228	/* BP	*/
#define MDC_DEV_METER_PRESS_MDS	5229	/* BP	*/
#define MDC_DEV_METER_PRESS_VMD	5230	/* BP	*/
#define MDC_DEV_METER_PRESS_CHAN	5231	/* BP	*/
#define MDC_DEV_ANALY_PERF_REL	5232	/*	*/
#define MDC_DEV_ANALY_PERF_REL_MDS	5233	/*	*/
#define MDC_DEV_ANALY_PERF_REL_VMD	5234	/*	*/
#define MDC_DEV_ANALY_PERF_REL_CHAN	5235	/*	*/
#define MDC_DEV_PLETH	5236	/*	*/
#define MDC_DEV_PLETH_MDS	5237	/*	*/
#define MDC_DEV_PLETH_VMD	5238	/*	*/
#define MDC_DEV_PLETH_CHAN	5239	/*	*/
#define MDC_DEV_CALC_CARD	5240	/*	*/
#define MDC_DEV_CALC_CARD_MDS	5241	/*	*/
#define MDC_DEV_CALC_CARD_VMD	5242	/*	*/
#define MDC_DEV_CALC_CARD_CHAN	5243	/*	*/
#define MDC_DEV_CALC_PULM	5244	/*	*/
#define MDC_DEV_CALC_PULM_MDS	5245	/*	*/
#define MDC_DEV_CALC_PULM_VMD	5246	/*	*/
#define MDC_DEV_CALC_PULM_CHAN	5247	/*	*/
#define MDC_DEV_CALC_PULM_EST	5248	/*	*/
#define MDC_DEV_CALC_PULM_EST_MDS	5249	/*	*/
#define MDC_DEV_CALC_PULM_EST_VMD	5250	/*	*/

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#define MDC_DEV_CALC_PULM_EST_CHAN	5251	/*	*/
#define MDC_DEV_ANALY_SAT_O2_ART	5252	/*	*/
#define MDC_DEV_ANALY_SAT_O2_ART_MDS	5253	/*	*/
#define MDC_DEV_ANALY_SAT_O2_ART_VMD	5254	/*	*/
#define MDC_DEV_ANALY_SAT_O2_ART_CHAN	5255	/*	*/
#define MDC_DEV_ANALY_SAT_O2_VEN	5256	/*	*/
#define MDC_DEV_ANALY_SAT_O2_VEN_MDS	5257	/*	*/
#define MDC_DEV_ANALY_SAT_O2_VEN_VMD	5258	/*	*/
#define MDC_DEV_ANALY_SAT_O2_VEN_CHAN	5259	/*	*/
#define MDC_DEV_ANALY_PCO2_GASTRIC	5260	/*	*/
#define MDC_DEV_ANALY_PCO2_GASTRIC_MDS	5261	/*	*/
#define MDC_DEV_ANALY_PCO2_GASTRIC_VMD	5262	/*	*/
#define MDC_DEV_ANALY_PCO2_GASTRIC_CHAN	5263	/*	*/
#define MDC_DEV_EEG_BIS	5264	/*	*/
#define MDC_DEV_EEG_BIS_MDS	5265	/*	*/
#define MDC_DEV_EEG_BIS_VMD	5266	/*	*/
#define MDC_DEV_EEG_BIS_CHAN	5267	/*	*/
#define MDC_DEV_EEG_ENTROPY	5268	/*	*/
#define MDC_DEV_EEG_ENTROPY_MDS	5269	/*	*/
#define MDC_DEV_EEG_ENTROPY_VMD	5270	/*	*/
#define MDC_DEV_EEG_ENTROPY_CHAN	5271	/*	*/
#define MDC_DEV_EEG_SNAP	5272	/*	*/
#define MDC_DEV_EEG_SNAP_MDS	5273	/*	*/
#define MDC_DEV_EEG_SNAP_VMD	5274	/*	*/
#define MDC_DEV_EEG_SNAP_CHAN	5275	/*	*/
#define MDC_DEV_EEG_PSI	5276	/*	*/
#define MDC_DEV_EEG_PSI_MDS	5277	/*	*/
#define MDC_DEV_EEG_PSI_VMD	5278	/*	*/
#define MDC_DEV_EEG_PSI_CHAN	5279	/*	*/
#define MDC_DEV_ANALY_CARD_OUTPUT_CTS	5280	/*	*/
#define MDC_DEV_ANALY_CARD_OUTPUT_CTS_MDS	5281	/*	*/

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#define MDC_DEV_ANALY_CARD_OUTPUT_CTS_VMD	5282	/*	*/
#define MDC_DEV_ANALY_CARD_OUTPUT_CTS_CHAN	5283	/*	*/
#define MDC_DEV_ANALY_CARD_OUTPUT_NONINV	5284	/*	*/
#define MDC_DEV_ANALY_CARD_OUTPUT_NONINV_MDS	5285	/*	*/
#define MDC_DEV_ANALY_CARD_OUTPUT_NONINV_VMD	5286	/*	*/
#define MDC_DEV_ANALY_CARD_OUTPUT_NONINV_CHAN	5287	/*	*/
#define MDC_DEV_INFANT_MICROENV	5288	/*	*/
#define MDC_DEV_INFANT_MICROENV_MDS	5289	/*	*/
#define MDC_DEV_INFANT_MICROENV_VMD	5290	/*	*/
#define MDC_DEV_INFANT_MICROENV_CHAN	5291	/*	*/
#define MDC_DEV_INFANT_MICROENV_TEMP_ENV	5292	/*	*/
#define MDC_DEV_INFANT_MICROENV_TEMP_ENV_MDS	5293	/*	*/
#define MDC_DEV_INFANT_MICROENV_TEMP_ENV_VMD	5294	/*	*/
#define MDC_DEV_INFANT_MICROENV_TEMP_ENV_CHAN	5295	/*	*/
#define MDC_DEV_INFANT_MICROENV_TEMP_PATIENT	5296	/*	*/
#define MDC_DEV_INFANT_MICROENV_TEMP_PATIENT_MDS	5297	/*	*/
#define MDC_DEV_INFANT_MICROENV_TEMP_PATIENT_VMD	5298	/*	*/
#define MDC_DEV_INFANT_MICROENV_TEMP_PATIENT_CHAN	5299	/*	*/
#define MDC_DEV_INFANT_MICROENV_HEATER_CONVECTIVE	5300	/*	*/
#define MDC_DEV_INFANT_MICROENV_HEATER_CONVECTIVE_MDS	5301	/*	*/
#define MDC_DEV_INFANT_MICROENV_HEATER_CONVECTIVE_VMD	5302	/*	*/
#define MDC_DEV_INFANT_MICROENV_HEATER_CONVECTIVE_CHAN	5303	/*	*/
#define MDC_DEV_INFANT_MICROENV_HEATER_RADIANT	5304	/*	*/
#define MDC_DEV_INFANT_MICROENV_HEATER_RADIANT_MDS	5305	/*	*/
#define MDC_DEV_INFANT_MICROENV_HEATER_RADIANT_VMD	5306	/*	*/
#define MDC_DEV_INFANT_MICROENV_HEATER_RADIANT_CHAN	5307	/*	*/
#define MDC_DEV_N2	5308	/*	*/
#define MDC_DEV_N2_MDS	5309	/*	*/
#define MDC_DEV_N2_VMD	5310	/*	*/
#define MDC_DEV_N2_CHAN	5311	/*	*/
#define MDC_DEV_N2O	5312	/*	*/

#define MDC_DEV_N2O_MDS	5313	/*	*/
#define MDC_DEV_N2O_VMD	5314	/*	*/
#define MDC_DEV_N2O_CHAN	5315	/*	*/
#define MDC_DEV_NEBULIZER	5316	/*	*/
#define MDC_DEV_NEBULIZER_MDS	5317	/*	*/
#define MDC_DEV_NEBULIZER_VMD	5318	/*	*/
#define MDC_DEV_NEBULIZER_CHAN	5319	/*	*/
#define MDC_DEV_ICG	5320	/*	*/
#define MDC_DEV_ICG_MDS	5321	/*	*/
#define MDC_DEV_ICG_VMD	5322	/*	*/
#define MDC_DEV_ICG_CHAN	5323	/*	*/
#define MDC_DEV_INFANT_MICROENV_HUMIDITY	5324	/*	*/
#define MDC_DEV_INFANT_MICROENV_HUMIDITY_MDS	5325	/*	*/
#define MDC_DEV_INFANT_MICROENV_HUMIDITY_VMD	5326	/*	*/
#define MDC_DEV_INFANT_MICROENV_HUMIDITY_CHAN	5327	/*	*/
#define MDC_DEV_INFANT_MICROENV_O2	5328	/*	*/
#define MDC_DEV_INFANT_MICROENV_O2_MDS	5329	/*	*/
#define MDC_DEV_INFANT_MICROENV_O2_VMD	5330	/*	*/
#define MDC_DEV_INFANT_MICROENV_O2_CHAN	5331	/*	*/

B.3 Medical supervisory control and data acquisition (SCADA) – Partition 2

B.3.1 Discriminator ranges

This subclause lists discriminator range codes within the SCADA blocks. Discriminators are organized so that codes for homologous discriminators are all located within the range specified. In this listing, the *Discrim Offset* indicates the common denominator of the discriminator (i.e., the numerical difference between discriminator codes), which in binary amounts to $\log_2(\text{DiscrimOffset})$; e.g., ECG Lead discriminator is $\log_2(256)=8$ bits).

/* Discriminator_Range_Definitions		*/
/* Supervisory Control and Data Acquisition (SCADA)	Partition: 2	*/
/* ECG Lead	Discrim Offset: 256	*/
/* #define MDC_DRANGE_ECG_LEAD_START	0	*/

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/* #define MDC_DRANGE_ECG_LEAD_END	16127	*/
/* ECG Patterns	Discrim Offset: 8	*/
/* #define MDC_DRANGE_ECG_PATT_START	16448	*/
/* #define MDC_DRANGE_ECG_PATT_END	17999	*/
/* Pulsatile - Hemo	Discrim Offset: 4	*/
/* #define MDC_DRANGE_PULS_HEMO_START	18944	*/
/* #define MDC_DRANGE_PULS_HEMO_END	19219	*/
/* Pulsatile - Neuro	Discrim Offset: 4	*/
/* #define MDC_DRANGE_PULS_NEURO_START	22532	*/
/* #define MDC_DRANGE_PULS_NEURO_END	22655	*/

B.3.2 SCADA Term Codes

/* Block: ECG-LEADS COMMON

Partition: 2

Description: *ECG-Leads - designations common to SCP-ECG, IEEE 11073-10101 and IEEE 11073-10102*

#define MDC_ECG_LEAD_CONFIG	0	/* LEAD	*/
#define MDC_ECG_LEAD	0	/* LEAD	*/
#define MDC_ECG_LEAD_I	1	/* LEAD	*/
#define MDC_ECG_LEAD_II	2	/* LEAD	*/
#define MDC_ECG_LEAD_V1	3	/* LEAD	*/
#define MDC_ECG_LEAD_V2	4	/* LEAD	*/
#define MDC_ECG_LEAD_V3	5	/* LEAD	*/
#define MDC_ECG_LEAD_V4	6	/* LEAD	*/
#define MDC_ECG_LEAD_V5	7	/* LEAD	*/
#define MDC_ECG_LEAD_V6	8	/* LEAD	*/
#define MDC_ECG_LEAD_V7	9	/* LEAD	*/
#define MDC_ECG_LEAD_V2R	10	/* LEAD	*/
#define MDC_ECG_LEAD_V3R	11	/* LEAD	*/
#define MDC_ECG_LEAD_V4R	12	/* LEAD	*/
#define MDC_ECG_LEAD_V5R	13	/* LEAD	*/
#define MDC_ECG_LEAD_V6R	14	/* LEAD	*/

#define MDC_ECG_LEAD_V7R	15	/* LEAD	*/
#define MDC_ECG_LEAD_VX	16	/* LEAD	*/
#define MDC_ECG_LEAD_VY	17	/* LEAD	*/
#define MDC_ECG_LEAD_VZ	18	/* LEAD	*/
#define MDC_ECG_LEAD_CC5	19	/* LEAD	*/
#define MDC_ECG_LEAD_CM5	20	/* LEAD	*/
#define MDC_ECG_LEAD_LA	21	/* LEAD	*/
#define MDC_ECG_LEAD_RA	22	/* LEAD	*/
#define MDC_ECG_LEAD_LL	23	/* LEAD	*/
#define MDC_ECG_LEAD_fI	24	/* LEAD	*/
#define MDC_ECG_LEAD_fE	25	/* LEAD	*/
#define MDC_ECG_LEAD_fC	26	/* LEAD	*/
#define MDC_ECG_LEAD_fA	27	/* LEAD	*/
#define MDC_ECG_LEAD_fM	28	/* LEAD	*/
#define MDC_ECG_LEAD_fF	29	/* LEAD	*/
#define MDC_ECG_LEAD_fH	30	/* LEAD	*/
#define MDC_ECG_LEAD_III	61	/* LEAD	*/
#define MDC_ECG_LEAD_AVR	62	/* LEAD	*/
#define MDC_ECG_LEAD_AVL	63	/* LEAD	*/
#define MDC_ECG_LEAD_AVF	64	/* LEAD	*/
#define MDC_ECG_LEAD_AVRneg	65	/* LEAD	*/
/* Block: ECG-LEADS following SCP and IEEE 11073-10101 Partition: 2			
Description: <i>ECG-Leads - designations following SCP and IEEE 11073-10101</i>			*/
#define MDC_ECG_LEAD_Ical	31	/* LEAD1	*/
#define MDC_ECG_LEAD_IIcal	32	/* LEAD1	*/
#define MDC_ECG_LEAD_V1cal	33	/* LEAD1	*/
#define MDC_ECG_LEAD_V2cal	34	/* LEAD1	*/
#define MDC_ECG_LEAD_V3cal	35	/* LEAD1	*/
#define MDC_ECG_LEAD_V4cal	36	/* LEAD1	*/

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#define MDC_ECG_LEAD_V5cal	37	/* LEAD1	*/
#define MDC_ECG_LEAD_V6cal	38	/* LEAD1	*/
#define MDC_ECG_LEAD_V7cal	39	/* LEAD1	*/
#define MDC_ECG_LEAD_V2Rcal	40	/* LEAD1	*/
#define MDC_ECG_LEAD_V3Rcal	41	/* LEAD1	*/
#define MDC_ECG_LEAD_V4Rcal	42	/* LEAD1	*/
#define MDC_ECG_LEAD_V5Rcal	43	/* LEAD1	*/
#define MDC_ECG_LEAD_V6Rcal	44	/* LEAD1	*/
#define MDC_ECG_LEAD_V7Rcal	45	/* LEAD1	*/
#define MDC_ECG_LEAD_VXcal	46	/* LEAD1	*/
#define MDC_ECG_LEAD_VYcal	47	/* LEAD1	*/
#define MDC_ECG_LEAD_VZcal	48	/* LEAD1	*/
#define MDC_ECG_LEAD_C5cal	49	/* LEAD1	*/
#define MDC_ECG_LEAD_CM5cal	50	/* LEAD1	*/
#define MDC_ECG_LEAD_LAcal	51	/* LEAD1	*/
#define MDC_ECG_LEAD_RAcal	52	/* LEAD1	*/
#define MDC_ECG_LEAD_LLcal	53	/* LEAD1	*/
#define MDC_ECG_LEAD_fIcal	54	/* LEAD1	*/
#define MDC_ECG_LEAD_fEcal	55	/* LEAD1	*/
#define MDC_ECG_LEAD_fCcal	56	/* LEAD1	*/
#define MDC_ECG_LEAD_fAcal	57	/* LEAD1	*/
#define MDC_ECG_LEAD_fMcal	58	/* LEAD1	*/
#define MDC_ECG_LEAD_fFcal	59	/* LEAD1	*/
#define MDC_ECG_LEAD_fHcal	60	/* LEAD1	*/

/* Block: ECG-LEADS following IEEE 11073-10102 Partition: 2

Description: *ECG-Leads - designations following IEEE 11073-10102 but are semantically compatible with SCP and IEEE 11073-10101*

#define MDC_ECG_LEAD_dI	31	/* LEAD2	*/
#define MDC_ECG_LEAD_dII	32	/* LEAD2	*/
#define MDC_ECG_LEAD_dV1	33	/* LEAD2	*/

#define MDC_ECG_LEAD_dV2	34	/* LEAD2	*/
#define MDC_ECG_LEAD_dV3	35	/* LEAD2	*/
#define MDC_ECG_LEAD_dV4	36	/* LEAD2	*/
#define MDC_ECG_LEAD_dV5	37	/* LEAD2	*/
#define MDC_ECG_LEAD_dV6	38	/* LEAD2	*/
#define MDC_ECG_LEAD_dV7	39	/* LEAD2	*/
#define MDC_ECG_LEAD_dV2R	40	/* LEAD2	*/
#define MDC_ECG_LEAD_dV3R	41	/* LEAD2	*/
#define MDC_ECG_LEAD_dV4R	42	/* LEAD2	*/
#define MDC_ECG_LEAD_dV5R	43	/* LEAD2	*/
#define MDC_ECG_LEAD_dV6R	44	/* LEAD2	*/
#define MDC_ECG_LEAD_dV7R	45	/* LEAD2	*/
#define MDC_ECG_LEAD_dX	46	/* LEAD2	*/
#define MDC_ECG_LEAD_dY	47	/* LEAD2	*/
#define MDC_ECG_LEAD_dZ	48	/* LEAD2	*/
#define MDC_ECG_LEAD_dCC5	49	/* LEAD2	*/
#define MDC_ECG_LEAD_dCM5	50	/* LEAD2	*/
#define MDC_ECG_LEAD_dLA	51	/* LEAD2	*/
#define MDC_ECG_LEAD_dRA	52	/* LEAD2	*/
#define MDC_ECG_LEAD_dLL	53	/* LEAD2	*/
#define MDC_ECG_LEAD_dFI	54	/* LEAD2	*/
#define MDC_ECG_LEAD_dFE	55	/* LEAD2	*/
#define MDC_ECG_LEAD_dFC	56	/* LEAD2	*/
#define MDC_ECG_LEAD_dFA	57	/* LEAD2	*/
#define MDC_ECG_LEAD_dFM	58	/* LEAD2	*/
#define MDC_ECG_LEAD_dFF	59	/* LEAD2	*/
#define MDC_ECG_LEAD_dFH	60	/* LEAD2	*/

/* Block: ECG-LEADS following IEEE 11073-10101 Partition: 2

Description: *ECG-Leads - designations following IEEE 11073-10101* */

#define MDC_ECG_LEAD_C	66	/* LEAD1	*/

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#define MDC_ECG_LEAD_V	67	/* LEAD1	*/
#define MDC_ECG_LEAD_VR	68	/* LEAD1	*/
#define MDC_ECG_LEAD_VL	69	/* LEAD1	*/
#define MDC_ECG_LEAD_VF	70	/* LEAD1	*/
#define MDC_ECG_LEAD_V8	71	/* LEAD1	*/
#define MDC_ECG_LEAD_Dn	72	/* LEAD1	*/
#define MDC_ECG_LEAD_An	73	/* LEAD1	*/
#define MDC_ECG_LEAD_Jn	74	/* LEAD1	*/
#define MDC_ECG_LEAD_MCL	75	/* LEAD1	*/
#define MDC_ECG_LEAD_MCL1	76	/* LEAD1	*/
#define MDC_ECG_LEAD_MCL2	77	/* LEAD1	*/
#define MDC_ECG_LEAD_MCL3	78	/* LEAD1	*/
#define MDC_ECG_LEAD_MCL4	79	/* LEAD1	*/
#define MDC_ECG_LEAD_MCL5	80	/* LEAD1	*/
#define MDC_ECG_LEAD_MCL6	81	/* LEAD1	*/
#define MDC_ECG_LEAD_C1FR	82	/* LEAD1	*/
#define MDC_ECG_LEAD_C2FR	83	/* LEAD1	*/
#define MDC_ECG_LEAD_C3FR	84	/* LEAD1	*/
#define MDC_ECG_LEAD_C4FR	85	/* LEAD1	*/
#define MDC_ECG_LEAD_C4RFR	86	/* LEAD1	*/
#define MDC_ECG_LEAD_C5FR	87	/* LEAD1	*/
#define MDC_ECG_LEAD_C6FR	88	/* LEAD1	*/
#define MDC_ECG_LEAD_C7FR	89	/* LEAD1	*/
#define MDC_ECG_LEAD_C8FR	90	/* LEAD1	*/
#define MDC_ECG_LEAD_ECGLD91	91	/* LEAD1	*/
#define MDC_ECG_LEAD_ECGLD92	92	/* LEAD1	*/
#define MDC_ECG_LEAD_ECGLD93	93	/* LEAD1	*/
#define MDC_ECG_LEAD_ECGLD94	94	/* LEAD1	*/
#define MDC_ECG_LEAD_ECGLD95	95	/* LEAD1	*/
#define MDC_ECG_LEAD_ECGLD96	96	/* LEAD1	*/
#define MDC_ECG_LEAD_ECGLD97	97	/* LEAD1	*/

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#define MDC_ECG_LEAD_ECGLD98	98	/* LEAD1	*/
#define MDC_ECG_LEAD_ECGLD99	99	/* LEAD1	*/
#define MDC_ECG_LEAD_ES	100	/* LEAD1	*/
#define MDC_ECG_LEAD_AS	101	/* LEAD1	*/
#define MDC_ECG_LEAD_AI	102	/* LEAD1	*/
#define MDC_ECG_LEAD_dI	103	/* LEAD1	*/
#define MDC_ECG_LEAD_dII	104	/* LEAD1	*/
#define MDC_ECG_LEAD_dIII	105	/* LEAD1	*/
#define MDC_ECG_LEAD_daVR	106	/* LEAD1	*/
#define MDC_ECG_LEAD_daVL	107	/* LEAD1	*/
#define MDC_ECG_LEAD_daVF	108	/* LEAD1	*/
#define MDC_ECG_LEAD_dV1	109	/* LEAD1	*/
#define MDC_ECG_LEAD_dV2	110	/* LEAD1	*/
#define MDC_ECG_LEAD_dV3	111	/* LEAD1	*/
#define MDC_ECG_LEAD_dV4	112	/* LEAD1	*/
#define MDC_ECG_LEAD_dV5	113	/* LEAD1	*/
#define MDC_ECG_LEAD_dV6	114	/* LEAD1	*/
#define MDC_ECG_LEAD_RL	115	/* LEAD1	*/
#define MDC_ECG_LEAD_EASI_S	116	/* LEAD1	*/
/* Block: ECG-LEADS following IEEE 11073-10102 Partition: 2			
Description: <i>ECG-Leads - designations following IEEE 11073-10102</i>			*/
#define MDC_ECG_LEAD_V8	66	/* LEAD2	*/
#define MDC_ECG_LEAD_V9	67	/* LEAD2	*/
#define MDC_ECG_LEAD_V8R	68	/* LEAD2	*/
#define MDC_ECG_LEAD_V9R	69	/* LEAD2	*/
#define MDC_ECG_LEAD_D	70	/* LEAD2	*/
#define MDC_ECG_LEAD_A	71	/* LEAD2	*/
#define MDC_ECG_LEAD_J	72	/* LEAD2	*/
#define MDC_ECG_LEAD_DEFIB	73	/* LEAD2	*/
#define MDC_ECG_LEAD_EXTERN	74	/* LEAD2	*/

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#define MDC_ECG_LEAD_A1	75	/* LEAD2	*/
#define MDC_ECG_LEAD_A2	76	/* LEAD2	*/
#define MDC_ECG_LEAD_A3	77	/* LEAD2	*/
#define MDC_ECG_LEAD_A4	78	/* LEAD2	*/
#define MDC_ECG_LEAD_dV8	79	/* LEAD2	*/
#define MDC_ECG_LEAD_dV9	80	/* LEAD2	*/
#define MDC_ECG_LEAD_dV8R	81	/* LEAD2	*/
#define MDC_ECG_LEAD_dV9R	82	/* LEAD2	*/
#define MDC_ECG_LEAD_dD	83	/* LEAD2	*/
#define MDC_ECG_LEAD_dA	84	/* LEAD2	*/
#define MDC_ECG_LEAD_dJ	85	/* LEAD2	*/
#define MDC_ECG_LEAD_C	86	/* LEAD2	*/
#define MDC_ECG_LEAD_V	87	/* LEAD2	*/
#define MDC_ECG_LEAD_VR	88	/* LEAD2	*/
#define MDC_ECG_LEAD_VL	89	/* LEAD2	*/
#define MDC_ECG_LEAD_VF	90	/* LEAD2	*/
#define MDC_ECG_LEAD_MCL	91	/* LEAD2	*/
#define MDC_ECG_LEAD_MCL1	92	/* LEAD2	*/
#define MDC_ECG_LEAD_MCL2	93	/* LEAD2	*/
#define MDC_ECG_LEAD_MCL3	94	/* LEAD2	*/
#define MDC_ECG_LEAD_MCL4	95	/* LEAD2	*/
#define MDC_ECG_LEAD_MCL5	96	/* LEAD2	*/
#define MDC_ECG_LEAD_MCL6	97	/* LEAD2	*/
#define MDC_ECG_LEAD_CC	98	/* LEAD2	*/
#define MDC_ECG_LEAD_CC1	99	/* LEAD2	*/
#define MDC_ECG_LEAD_CC2	100	/* LEAD2	*/
#define MDC_ECG_LEAD_CC3	101	/* LEAD2	*/
#define MDC_ECG_LEAD_CC4	102	/* LEAD2	*/
#define MDC_ECG_LEAD_CC6	103	/* LEAD2	*/
#define MDC_ECG_LEAD_CC7	104	/* LEAD2	*/
#define MDC_ECG_LEAD_CM	105	/* LEAD2	*/

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#define MDC_ECG_LEAD_CM1	106	/* LEAD2	*/
#define MDC_ECG_LEAD_CM2	107	/* LEAD2	*/
#define MDC_ECG_LEAD_CM3	108	/* LEAD2	*/
#define MDC_ECG_LEAD_CM4	109	/* LEAD2	*/
#define MDC_ECG_LEAD_CM6	110	/* LEAD2	*/
#define MDC_ECG_LEAD_dIII	111	/* LEAD2	*/
#define MDC_ECG_LEAD_dAVR	112	/* LEAD2	*/
#define MDC_ECG_LEAD_dAVL	113	/* LEAD2	*/
#define MDC_ECG_LEAD_dAVF	114	/* LEAD2	*/
#define MDC_ECG_LEAD_dAVRneg	115	/* LEAD2	*/
#define MDC_ECG_LEAD_dC	116	/* LEAD2	*/
#define MDC_ECG_LEAD_dV	117	/* LEAD2	*/
#define MDC_ECG_LEAD_dVR	118	/* LEAD2	*/
#define MDC_ECG_LEAD_dVL	119	/* LEAD2	*/
#define MDC_ECG_LEAD_dVF	120	/* LEAD2	*/
#define MDC_ECG_LEAD_CM7	121	/* LEAD2	*/
#define MDC_ECG_LEAD_CH5	122	/* LEAD2	*/
#define MDC_ECG_LEAD_CS5	123	/* LEAD2	*/
#define MDC_ECG_LEAD_CB5	124	/* LEAD2	*/
#define MDC_ECG_LEAD_CR5	125	/* LEAD2	*/
#define MDC_ECG_LEAD_ML	126	/* LEAD2	*/
#define MDC_ECG_LEAD_AB1	127	/* LEAD2	*/
#define MDC_ECG_LEAD_AB2	128	/* LEAD2	*/
#define MDC_ECG_LEAD_AB3	129	/* LEAD2	*/
#define MDC_ECG_LEAD_AB4	130	/* LEAD2	*/
#define MDC_ECG_LEAD_ES	131	/* LEAD2	*/
#define MDC_ECG_LEAD_AS	132	/* LEAD2	*/
#define MDC_ECG_LEAD_AI	133	/* LEAD2	*/
#define MDC_ECG_LEAD_S	134	/* LEAD2	*/
#define MDC_ECG_LEAD_dDEFIB	135	/* LEAD2	*/
#define MDC_ECG_LEAD_dEXTERN	136	/* LEAD2	*/

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#define MDC_ECG_LEAD_dA1	137	/* LEAD2	*/
#define MDC_ECG_LEAD_dA2	138	/* LEAD2	*/
#define MDC_ECG_LEAD_dA3	139	/* LEAD2	*/
#define MDC_ECG_LEAD_dA4	140	/* LEAD2	*/
#define MDC_ECG_LEAD_dMCL1	141	/* LEAD2	*/
#define MDC_ECG_LEAD_dMCL2	142	/* LEAD2	*/
#define MDC_ECG_LEAD_dMCL3	143	/* LEAD2	*/
#define MDC_ECG_LEAD_dMCL4	144	/* LEAD2	*/
#define MDC_ECG_LEAD_dMCL5	145	/* LEAD2	*/
#define MDC_ECG_LEAD_dMCL6	146	/* LEAD2	*/
#define MDC_ECG_LEAD_RL	147	/* LEAD2	*/
#define MDC_ECG_LEAD_CV5RL	148	/* LEAD2	*/
#define MDC_ECG_LEAD_CV6LL	149	/* LEAD2	*/
#define MDC_ECG_LEAD_CV6LU	150	/* LEAD2	*/
#define MDC_ECG_LEAD_V10	151	/* LEAD2	*/
#define MDC_ECG_LEAD_dMCL	152	/* LEAD2	*/
#define MDC_ECG_LEAD_dCC	153	/* LEAD2	*/
#define MDC_ECG_LEAD_dCC1	154	/* LEAD2	*/
#define MDC_ECG_LEAD_dCC2	155	/* LEAD2	*/
#define MDC_ECG_LEAD_dCC3	156	/* LEAD2	*/
#define MDC_ECG_LEAD_dCC4	157	/* LEAD2	*/
#define MDC_ECG_LEAD_dCC6	158	/* LEAD2	*/
#define MDC_ECG_LEAD_dCC7	159	/* LEAD2	*/
#define MDC_ECG_LEAD_dCM	160	/* LEAD2	*/
#define MDC_ECG_LEAD_dCM1	161	/* LEAD2	*/
#define MDC_ECG_LEAD_dCM2	162	/* LEAD2	*/
#define MDC_ECG_LEAD_dCM3	163	/* LEAD2	*/
#define MDC_ECG_LEAD_dCM4	164	/* LEAD2	*/
#define MDC_ECG_LEAD_dCM6	165	/* LEAD2	*/
#define MDC_ECG_LEAD_dCM7	166	/* LEAD2	*/
#define MDC_ECG_LEAD_dCH5	167	/* LEAD2	*/

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#define MDC_ECG_LEAD_dCS5	168	/* LEAD2	*/
#define MDC_ECG_LEAD_dCB5	169	/* LEAD2	*/
#define MDC_ECG_LEAD_dCR5	170	/* LEAD2	*/
#define MDC_ECG_LEAD_dML	171	/* LEAD2	*/
#define MDC_ECG_LEAD_dAB1	172	/* LEAD2	*/
#define MDC_ECG_LEAD_dAB2	173	/* LEAD2	*/
#define MDC_ECG_LEAD_dAB3	174	/* LEAD2	*/
#define MDC_ECG_LEAD_dAB4	175	/* LEAD2	*/
#define MDC_ECG_LEAD_dES	176	/* LEAD2	*/
#define MDC_ECG_LEAD_dAS	177	/* LEAD2	*/
#define MDC_ECG_LEAD_dAI	178	/* LEAD2	*/
#define MDC_ECG_LEAD_dS	179	/* LEAD2	*/
#define MDC_ECG_LEAD_dRL	180	/* LEAD2	*/
#define MDC_ECG_LEAD_dCV5RL	181	/* LEAD2	*/
#define MDC_ECG_LEAD_dCV6LL	182	/* LEAD2	*/
#define MDC_ECG_LEAD_dCV6LU	183	/* LEAD2	*/
#define MDC_ECG_LEAD_dV10	184	/* LEAD2	*/

/* Block: ECG-MEASUREMENTS COMMON

Partition: 2

Description: *ECG Measurements - lead designations common to SCP-ECG, IEEE 11073-10101 and IEEE 11073-10102*

#define MDC_ECG_ELEC_POTL	256	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_I	257	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_II	258	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_V1	259	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_V2	260	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_V3	261	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_V4	262	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_V5	263	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_V6	264	/* LEAD	*/

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#define MDC_ECG_ELEC_POTL_VX	272	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_VY	273	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_VZ	274	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_LA	277	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_RA	278	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_LL	279	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_III	317	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_AVR	318	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_AVL	319	/* LEAD	*/
#define MDC_ECG_ELEC_POTL_AVF	320	/* LEAD	*/

/* Block: ECG-MEASUREMENTS following IEEE 11073-10101 Partition: 2

Description: *ECG Measurements - lead designations following IEEE 11073-10101* */

#define MDC_ECG_ELEC_POTL_C	322	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_V	323	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_MCL	331	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_MCL1	332	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_MCL2	333	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_MCL3	334	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_MCL4	335	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_MCL5	336	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_MCL6	337	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_C1FR	338	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_C2FR	339	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_C3FR	340	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_C4FR	341	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_C5FR	343	/* LEAD1	*/
#define MDC_ECG_ELEC_POTL_C6FR	344	/* LEAD1	*/

/* Block: ECG-MEASUREMENTS COMMON Partition: 2

Description: *ECG Measurements - lead designations common to SCP-ECG,*

```

IEEE 11073-10101 and IEEE 11073-10102 */

#define MDC_ECG_AMPL_ST 768 /* LEAD */
#define MDC_ECG_AMPL_ST_I 769 /* LEAD */
#define MDC_ECG_AMPL_ST_II 770 /* LEAD */
#define MDC_ECG_AMPL_ST_V1 771 /* LEAD */
#define MDC_ECG_AMPL_ST_V2 772 /* LEAD */
#define MDC_ECG_AMPL_ST_V3 773 /* LEAD */
#define MDC_ECG_AMPL_ST_V4 774 /* LEAD */
#define MDC_ECG_AMPL_ST_V5 775 /* LEAD */
#define MDC_ECG_AMPL_ST_V6 776 /* LEAD */
#define MDC_ECG_AMPL_ST_dV1 801 /* LEAD */
#define MDC_ECG_AMPL_ST_dV2 802 /* LEAD */
#define MDC_ECG_AMPL_ST_dV3 803 /* LEAD */
#define MDC_ECG_AMPL_ST_dV4 804 /* LEAD */
#define MDC_ECG_AMPL_ST_dV5 805 /* LEAD */
#define MDC_ECG_AMPL_ST_dV6 806 /* LEAD */
#define MDC_ECG_AMPL_ST_III 829 /* LEAD */
#define MDC_ECG_AMPL_ST_AVR 830 /* LEAD */
#define MDC_ECG_AMPL_ST_AVL 831 /* LEAD */
#define MDC_ECG_AMPL_ST_AVF 832 /* LEAD */

/* Block: ECG-MEASUREMENTS following IEEE 11073-10101 Partition: 2
Description: ECG Measurements - lead designations following IEEE 11073-10101 */
#define MDC_ECG_AMPL_ST_V 855 /* LEAD1 */
#define MDC_ECG_AMPL_ST_MCL 859 /* LEAD1 */
#define MDC_ECG_AMPL_ST_MCL1 860 /* LEAD1 */
#define MDC_ECG_AMPL_ST_MCL6 865 /* LEAD1 */
#define MDC_ECG_AMPL_ST_ES 899 /* LEAD1 */
#define MDC_ECG_AMPL_ST_AS 900 /* LEAD1 */
#define MDC_ECG_AMPL_ST_AI 901 /* LEAD1 */

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/* Block: ECG-MEASUREMENTS COMMON

Partition: 2

Description: *ECG Measurements - base terms*

*/

#define MDC_ECG_AMPL_J	1024	/* Jamp1	*/
#define MDC_ECG_AMPL_P_MAX	1280	/* Pmax	*/
#define MDC_ECG_AMPL_P_MIN	1536	/* Pmin	*/
#define MDC_ECG_AMPL_Q	1792	/*	*/
#define MDC_ECG_AMPL_R	2048	/*	*/
#define MDC_ECG_AMPL_S	2304	/*	*/
#define MDC_ECG_AMPL_T_MAX	2560	/* Pmax	*/
#define MDC_ECG_AMPL_T_MIN	2816	/* Pmin	*/
#define MDC_ECG_AMPL_P3	3072	/*	*/
#define MDC_ECG_AREA_Q	3328	/*	*/
#define MDC_ECG_AREA_T	3584	/*	*/
#define MDC_ECG_AREA_P	3840	/* Parea	*/
#define MDC_ECG_AREA_QRS	4096	/* QRSarea	*/
#define MDC_ECG_AREA_ST	4352	/* STarea	*/
#define MDC_ECG_TIME_PD_P1	4608	/*	*/
#define MDC_ECG_TIME_PD_P2	4864	/*	*/
#define MDC_ECG_TIME_PD_P3	5120	/*	*/
#define MDC_ECG_SLOPE_ST	5376	/* STslope	*/
#define MDC_ECG_TIME_END_P	5888	/* Poff	*/
#define MDC_ECG_TIME_END_QRS	6144	/* QRSoft	*/
#define MDC_ECG_TIME_END_T	6400	/* Toff	*/
#define MDC_ECG_TIME_PD_P	6656	/*	*/
#define MDC_ECG_INTEGRAL_P	6912	/*	*/
#define MDC_ECG_TIME_PD_PR	7168	/*	*/
#define MDC_ECG_INTEGRAL_Q	7424	/*	*/
#define MDC_ECG_TIME_PD_Q	7680	/*	*/
#define MDC_ECG_TIME_PD_QRS	7936	/*	*/
#define MDC_ECG_TIME_PD_QT	8192	/* Q-T	*/
#define MDC_ECG_TIME_PD_QT_CORR	8448	/* Q-Tc	*/

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#define MDC_ECG_INTEGRAL_QRS	8704	/*	*/
#define MDC_ECG_INTEGRAL_T	8960	/*	*/
#define MDC_ECG_INTEGRAL_ST	9216	/*	*/
#define MDC_ECG_TIME_START_P	9472	/* Pon	*/
#define MDC_ECG_TIME_START_QRS	9728	/* QRson	*/
#define MDC_ECG_TIME_START_T	9984	/* Ton	*/
#define MDC_ECG_POINT_REF	10240	/*	*/
#define MDC_ECG_POINT_ST	10496	/*	*/
#define MDC_ECG_POINT_ISO	10752	/*	*/
#define MDC_ECG_TIME_PD_VENT_ACTIV	11008	/*	*/
#define MDC_ECG_TIME_PD_R_1	11264	/*	*/
#define MDC_ECG_TIME_PD_R_2	11520	/*	*/
#define MDC_ECG_TIME_PD_R_3	11776	/*	*/
#define MDC_ECG_TIME_PD_S_1	12032	/*	*/
#define MDC_ECG_TIME_PD_S_2	12288	/*	*/
#define MDC_ECG_TIME_PD_S_3	12544	/*	*/
#define MDC_ECG_ELEC_POTL_R_1	12800	/*	*/
#define MDC_ECG_ELEC_POTL_R_2	13056	/*	*/
#define MDC_ECG_ELEC_POTL_R_3	13312	/*	*/
#define MDC_ECG_ELEC_POTL_S_1	13568	/*	*/
#define MDC_ECG_ELEC_POTL_S_2	13824	/*	*/
#define MDC_ECG_ELEC_POTL_S_3	14080	/*	*/
#define MDC_ECG_ELEC_POTL_ST_60	14336	/*	*/
#define MDC_ECG_ELEC_POTL_ST_80	14592	/*	*/
#define MDC_ECG_ELEC_POTL_ST_20	14848	/*	*/
#define MDC_ECG_ELEC_POTL_ST_40	15104	/*	*/

/* Block: ECG GLOBAL MEASUREMENTS

Partition: 2

Description: ECG Global Measurements

*/

#define MDC_ECG_TIME_PD_PR_INT_GL

15872 /*

*/

#define MDC_ECG_TIME_PD_QTC_NOS_GL

15876 /*

*/

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#define MDC_ECG_TIME_PD_QTC_BAZETT	15880	/*	*/
#define MDC_ECG_TIME_PD_QTC_FRAMINGHAM	15884	/*	*/
#define MDC_ECG_TIME_PD_QTC_HODGES	15888	/*	*/
#define MDC_ECG_TIME_PD_QTC_FREDERICA	15892	/*	*/
#define MDC_ECG_TIME_PD_QTC_USER	15896	/*	*/
#define MDC_ECG_TIME_PD_QTU_GL	16004	/*	*/
#define MDC_ECG_DISPERSION_QT	16008	/*	*/
#define MDC_ECG_DISPERSION_QTC	16012	/*	*/
#define MDC_ECG_VENTRICULAR_RATE	16016	/*	*/
#define MDC_ECG_ATRIAL_RATE	16020	/*	*/
#define MDC_ECG_VPC_COUNT	16024	/*	*/
#define MDC_ECG_SVPC_RATE	16028	/*	*/
#define MDC_ECG_BEAT_COUNT	16032	/*	*/
#define MDC_ECG_ANGLE_P_FRONT	16128	/*	*/
#define MDC_ECG_ANGLE_QRS_FRONT	16132	/*	*/
#define MDC_ECG_ANGLE_T_FRONT	16136	/*	*/
#define MDC_ECG_TIME_PD_PP_GL	16140	/*	*/
#define MDC_ECG_TIME_PD_PQ_GL	16144	/*	*/
#define MDC_ECG_TIME_PD_PQ_SEG_GL	16148	/*	*/
#define MDC_ECG_TIME_PD_PR_GL	16148	/*	*/
#define MDC_ECG_TIME_PD_QRS_GL	16156	/*	*/
#define MDC_ECG_TIME_PD_QT_GL	16160	/*	*/
#define MDC_ECG_TIME_PD_QT_CORR_GL	16164	/*	*/
#define MDC_ECG_TIME_PD_RR_GL	16168	/*	*/
#define MDC_ECG_RR	16168	/*	*/
#define MDC_ECG_RR_MAX	16169	/*	*/
#define MDC_ECG_MAG_P_FRONT	16172	/*	*/
#define MDC_ECG_MAG_QRS_FRONT	16176	/*	*/
#define MDC_ECG_MAG_T_FRONT	16180	/*	*/
#define MDC_ECG_TIME_PD_P_GL	16184	/*	*/
#define MDC_ECG_QRS_TYPE	16188	/* QRStyp	*/

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#define MDC_ECG_MAG_P_VECT	16192	/*	*/
#define MDC_ECG_MAG_QRS_VECT	16196	/*	*/
#define MDC_ECG_MAG_T_VECT	16200	/*	*/
#define MDC_ECG_ANGLE_P_AZIM	16204	/*	*/
#define MDC_ECG_ANGLE_QRS_AZIM	16208	/*	*/
#define MDC_ECG_ANGLE_T_AZIM	16212	/*	*/
#define MDC_ECG_ANGLE_P_ELEV	16216	/*	*/
#define MDC_ECG_ANGLE_QRS_ELEV	16220	/*	*/
#define MDC_ECG_ANGLE_T_ELEV	16224	/*	*/
#define MDC_ECG_MAG_J_VECT	16232	/*	*/
#define MDC_ECG_ANGLE_J_AZIM	16236	/*	*/
#define MDC_ECG_ANGLE_J_ELEV	16240	/*	*/
#define MDC_ECG_MAG_J20_VECT	16244	/*	*/
#define MDC_ECG_ANGLE_J20_AZIM	16248	/*	*/
#define MDC_ECG_ANGLE_J20_ELEV	16252	/*	*/
#define MDC_ECG_MAG_J40_VECT	16256	/*	*/
#define MDC_ECG_ANGLE_J40_AZIM	16260	/*	*/
#define MDC_ECG_ANGLE_J40_ELEV	16264	/*	*/
#define MDC_ECG_MAG_J60_VECT	16268	/*	*/
#define MDC_ECG_ANGLE_J60_AZIM	16272	/*	*/
#define MDC_ECG_ANGLE_J60_ELEV	16276	/*	*/
#define MDC_ECG_MAG_J80_VECT	16280	/*	*/
#define MDC_ECG_ANGLE_J80_AZIM	16284	/*	*/
#define MDC_ECG_ANGLE_J80_ELEV	16288	/* QRStyp	*/
#define MDC_ECG_MAG_Jxx_VECT	16292	/*	*/
#define MDC_ECG_ANGLE_Jxx_AZIM	16296	/*	*/
#define MDC_ECG_ANGLE_Jxx_ELEV	16300	/*	*/
#define MDC_ECG_TIME_ST_Jxx	16304	/*	*/
#define MDC_ECG_MAG_P_VECT_FRONT	16308	/*	*/
#define MDC_ECG_MAG_P_VECT_HORIZ	16312	/*	*/
#define MDC_ECG_MAG_P_VECT_SAGI	16316	/*	*/

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#define MDC_ECG_MAG_QRS_VECT_FRONT	16320	/*	*/
#define MDC_ECG_MAG_QRS_VECT_HORIZ	16324	/*	*/
#define MDC_ECG_MAG_QRS_VECT_SAGI	16328	/*	*/
#define MDC_ECG_MAG_T_VECT_FRONT	16332	/*	*/
#define MDC_ECG_MAG_T_VECT_HORIZ	16336	/*	*/
#define MDC_ECG_MAG_T_VECT_SAGI	16340	/*	*/
/* Block: ECG-PATT	Partition: 2		
Description: ECG Patterns (e.g., Arrhythmia)			*/
#define MDC_ECG_PATT	16384	/*	*/
#define MDC_ECG_LEARN_RHY	16386	/*	*/
#define MDC_ECG_ASY_RHY	16387	/*	*/
#define MDC_ECG_ATR_PACED_RHY_CAPT	16388	/*	*/
#define MDC_ECG_IDIOV_RHY	16389	/*	*/
#define MDC_ECG_IDIOV_RHY_ACCEL	16390	/*	*/
#define MDC_ECG_JUNC_RHY	16391	/*	*/
#define MDC_ECG_JUNC_RHY_ACCEL	16392	/*	*/
#define MDC_ECG_PACED_RHY	16393	/*	*/
#define MDC_ECG_RHY	16394	/*	*/
#define MDC_ECG_RHY_ABSENT	16395	/*	*/
#define MDC_ECG_RHY_ECT	16396	/*	*/
#define MDC_ECG_RHY_IRREG	16397	/*	*/
#define MDC_ECG_RHY_REG	16398	/*	*/
#define MDC_ECG_RHY_SERIOUS	16399	/*	*/
#define MDC_ECG_RHY_UNK	16400	/*	*/
#define MDC_ECG_RHY_UNANALYZEABLE	16401	/*	*/
#define MDC_ECG_SINUS_RHY	16402	/*	*/
#define MDC_ECG_SINUS_BRADY_RHY	16403	/*	*/
#define MDC_ECG_SINUS_TACHY_RHY	16404	/*	*/
#define MDC_ECG_SV_RHY	16405	/*	*/
#define MDC_ECG_SV_TACHY_RHY	16406	/*	*/

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#define MDC_ECG_V_BIGEM_RHY	16407	/*	*/
#define MDC_ECG_V_RHY	16408	/*	*/
#define MDC_ECG_V_RHY_ACCEL	16409	/*	*/
#define MDC_ECG_V_TACHY_RHY	16410	/*	*/
#define MDC_ECG_V_TACHY_RHY_SUST	16411	/*	*/
#define MDC_ECG_V_TRIGEM_RHY	16412	/*	*/
#define MDC_ECG_SV_BRADY_RHY	16413	/*	*/
#define MDC_ECG_V_FIB_RHY	16414	/*	*/
#define MDC_ECG_V_P_C_RUN_RHY	16415	/*	*/
#define MDC_ECG_V_FIB_TACHY_RHY	16416	/*	*/
#define MDC_ECG_BB_RHY_INTERMIT	16417	/*	*/
#define MDC_ECG_JUNC_ESC_RHY	16418	/*	*/
#define MDC_ECG_V_BRADY_RHY	16419	/*	*/
#define MDC_ECG_RHY_NOS	16447	/*	*/

/* Block: ECG-EVENT

Partition: 2

Description: ECG Events (e.g., Arrhythmia) */

#define MDC_ECG_BRADY	16448	/*	*/
#define MDC_ECG_ASYSTOLE	16456	/*	*/
#define MDC_ECG_ATR_PACED_BEAT	16464	/*	*/
#define MDC_ECG_ATR_PACED_BEAT_CNT	16465	/*	*/
#define MDC_ECG_ATR_PACED_BEAT_ANNOT	16471	/*	*/
#define MDC_ECG_BEAT_MISSED	16472	/*	*/
#define MDC_ECG_BEAT_MISSED_CNT	16473	/*	*/
#define MDC_ECG_BEAT_MISSED_ANNOT	16479	/*	*/
#define MDC_ECG_BIGEM	16480	/*	*/
#define MDC_ECG_ARTIFACT	16488	/*	*/
#define MDC_ECG_BRADY_EXTREME	16496	/*	*/
#define MDC_ECG_BRADY_SUST	16504	/*	*/
#define MDC_ECG_DUAL_PACED_BEAT	16512	/*	*/
#define MDC_ECG_DUAL_PACED_BEAT_CNT	16513	/*	*/

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#define MDC_ECG_DUAL_PACED_BEAT_ANNOT	16519	/*	*/
#define MDC_ECG_ECT	16520	/*	*/
#define MDC_ECG_ECT_CNT	16521	/*	*/
#define MDC_ECG_FIB	16528	/*	*/
#define MDC_ECG_NO_ECT_BEAT	16536	/*	*/
#define MDC_ECG_P_C	16544	/*	*/
#define MDC_ECG_PACED_BEAT	16552	/*	*/
#define MDC_ECG_PACED_BEAT_CNT	16553	/*	*/
#define MDC_ECG_PACED_BEAT_RATE	16554	/*	*/
#define MDC_ECG_PACED_BEAT_RATE_MAX	16555	/*	*/
#define MDC_ECG_PACED_BEAT_RATE_MIN	16556	/*	*/
#define MDC_ECG_PACED_BEAT_ANNOT	16559	/*	*/
#define MDC_ECG_PACING_EVENT	16560	/*	*/
#define MDC_ECG_PACING_CAPT	16568	/*	*/
#define MDC_ECG_PACING_NON_CAPT	16576	/*	*/
#define MDC_ECG_PACING_NON_CAPT_CNT	16577	/*	*/
#define MDC_ECG_PACING_NOT_FOUND	16584	/*	*/
#define MDC_ECG_PACING_RUN	16592	/*	*/
#define MDC_ECG_PACING_RUN_CNT	16593	/*	*/
#define MDC_ECG_PAUSE	16600	/*	*/
#define MDC_ECG_QUADRIGEM	16608	/*	*/
#define MDC_ECG_TACHY	16616	/*	*/
#define MDC_ECG_TACHY_EXTREME	16624	/*	*/
#define MDC_ECG_TACHY_UNSPEC	16632	/*	*/
#define MDC_ECG_ATR_FIB	16648	/*	*/
#define MDC_ECG_ATR_FLUT	16656	/*	*/
#define MDC_ECG_ATR_P_C	16664	/* PAC	*/
#define MDC_ECG_ATR_PACING	16672	/*	*/
#define MDC_ECG_ATR_STAND	16680	/*	*/
#define MDC_ECG_ATR_TACHY	16688	/* ATACH	*/
#define MDC_ECG_ATR_TACHY_MULTIFOCAL	16696	/*	*/

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#define MDC_ECG_ATR_TACHY_PAROX	16704	/*	*/
#define MDC_ECG_AV_DISSOC	16712	/*	*/
#define MDC_ECG_AV_PACING_SEQ	16720	/*	*/
#define MDC_ECG_AV_HEART_BLK_DEG_1	16728	/*	*/
#define MDC_ECG_AV_HEART_BLK_DEG_2	16736	/*	*/
#define MDC_ECG_AV_HEART_BLK_DEG_2_I	16744	/*	*/
#define MDC_ECG_AV_HEART_BLK_DEG_2_II	16752	/*	*/
#define MDC_ECG_BB_BLK	16760	/* BBB	*/
#define MDC_ECG_CARD_BEAT	16768	/* BEAT	*/
#define MDC_ECG_HEART	16768	/*	*/
#define MDC_ECG_CARD_BEAT_CNT	16769	/* HR	*/
#define MDC_ECG_CARD_BEAT_RATE	16770	/* HR	*/
#define MDC_ECG_HEART_RATE	16770	/* HR	*/
#define MDC_ECG_HEART_RATE_MIN	16772	/* HRmin	*/
#define MDC_ECG_CARD_BEAT_BT	16776	/*	*/
#define MDC_ECG_CARD_BEAT_RATE_BT	16778	/* HRbtb	*/
#define MDC_ECG_CARD_BEAT_RATE_IRREG	16784	/* HRirreg	*/
#define MDC_ECG_HEART_DYING	16792	/*	*/
#define MDC_ECG_HEART_BLK	16800	/*	*/
#define MDC_ECG_HEART_BLK_COMP	16808	/*	*/
#define MDC_ECG_JUNC_ESC_BEATS	16816	/*	*/
#define MDC_ECG_JUNC_TACHY	16824	/*	*/
#define MDC_ECG_JUNC_TACHY_PAROX	16832	/*	*/
#define MDC_ECG_LA_FASC_BLK	16840	/* LAFB	*/
#define MDC_ECG_LBB_BLK	16848	/* LBBB	*/
#define MDC_ECG_LP_FASC_BLK	16856	/* LPFB	*/
#define MDC_ECG_PACER_NOT_PACING	16864	/*	*/
#define MDC_ECG_PACER_NOT_PACING_CNT	16865	/*	*/
#define MDC_ECG_RBB_BLK	16872	/* RBBB	*/
#define MDC_ECG_SINUS_BRADY	16888	/*	*/
#define MDC_ECG_SINUS_TACHY	16896	/*	*/

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#define MDC_ECG_SV_BEAT	16904	/*	*/
#define MDC_ECG_SV_BEAT_CNT	16905	/*	*/
#define MDC_ECG_SV_BEAT_ANNOT	16911	/*	*/
#define MDC_ECG_SV_BRADY	16912	/*	*/
#define MDC_ECG_SV_ECT	16920	/*	*/
#define MDC_ECG_SV_ECT_CNT	16921	/*	*/
#define MDC_ECG_SV_P_C	16928	/* SPVC	*/
#define MDC_ECG_SV_P_C_CNT	16929	/*	*/
#define MDC_ECG_SV_P_C_RATE	16930	/*	*/
#define MDC_ECG_SV_P_C_RATE_MAX	16931	/*	*/
#define MDC_ECG_SV_P_C_RATE_MIN	16932	/*	*/
#define MDC_ECG_SV_TACHY	16936	/*	*/
#define MDC_ECG_V_PARASYS	16944	/*	*/
#define MDC_ECG_V_BIGEM	16952	/*	*/
#define MDC_ECG_V_FIB	16960	/* V-Fib	*/
#define MDC_ECG_V_FIB_TACHY	16968	/*	*/
#define MDC_ECG_V_FLUT	16976	/*	*/
#define MDC_ECG_V_PACED_BEAT	16984	/*	*/
#define MDC_ECG_V_PACED_BEAT_CNT	16985	/*	*/
#define MDC_ECG_V_PACED_BEAT_ANNOT	16991	/*	*/
#define MDC_ECG_V_P_C	16992	/* PVC	*/
#define MDC_ECG_V_P_C_CNT	16993	/*	*/
#define MDC_ECG_V_P_C_RATE	16994	/*	*/
#define MDC_ECG_V_P_C_RATE_MAX	16995	/*	*/
#define MDC_ECG_V_P_C_RATE_MIN	16996	/*	*/
#define MDC_ECG_V_P_C_FREQ	17000	/*	*/
#define MDC_ECG_V_P_C_INTERP	17008	/*	*/
#define MDC_ECG_V_P_C_PAIR	17024	/*	*/
#define MDC_ECG_V_P_C_PAIR_CNT	17025	/*	*/
#define MDC_ECG_SV_P_C_RUN	17032	/* RUN S	*/
#define MDC_ECG_SV_P_C_RUN_CNT	17033	/*	*/

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#define MDC_ECG_V_P_C_RUN	17040	/* RUN V	*/
#define MDC_ECG_V_P_C_RUN_CNT	17041	/*	*/
#define MDC_ECG_V_P_C_TRIP	17048	/*	*/
#define MDC_ECG_V_P_C_RonT	17056	/* RTPVC	*/
#define MDC_ECG_V_P_C_RonT_CNT	17057	/*	*/
#define MDC_ECG_V_PACING	17064	/*	*/
#define MDC_ECG_V_QUADRIGEM	17072	/*	*/
#define MDC_ECG_V_STAND	17080	/*	*/
#define MDC_ECG_V_TACHY	17088	/* V-Tach	*/
#define MDC_ECG_V_TACHY_NON_SUST	17096	/*	*/
#define MDC_ECG_V_TACHY_SUST	17104	/*	*/
#define MDC_ECG_V_TACHY_TORSADE	17112	/*	*/
#define MDC_ECG_V_TRIGEM	17120	/*	*/
#define MDC_ECG_V_P_C_Q_RUN	17128	/*	*/
#define MDC_ECG_V_P_C_Q_RUN_CNT	17129	/*	*/
#define MDC_ECG_SV_P_C_FREQ	17136	/* FSPVC	*/
#define MDC_ECG_SV_BEATS	17144	/*	*/
#define MDC_ECG_PACED_BEATS	17152	/*	*/
#define MDC_ECG_ECT_ABSENT	17160	/*	*/
#define MDC_ECG_BEAT_UNUSUAL	17168	/*	*/
#define MDC_ECG_PACING_ARTIFACT	17176	/*	*/
#define MDC_ECG_SV_TACHY_PAROX	17184	/* PSVT	*/
#define MDC_ECG_AV_HEART_BLK_DEG_3	17192	/*	*/
#define MDC_ECG_AV_HEART_BLK_DEG_3_I	17200	/* 3:1BLK	*/
#define MDC_ECG_AV_HEART_BLK_DEG_4_I	17208	/* 4:1BLK	*/
#define MDC_ECG_P_SINIS_ATR	17224	/*	*/
#define MDC_ECG_P_DEXT_ATR	17232	/*	*/
#define MDC_ECG_ATR_CONDUCT_DEFECT	17240	/*	*/
#define MDC_ECG_INTRA_VENT_CONDUCT_DEFECT	17248	/*	*/
#define MDC_ECG_LBB_BLK_COMP	17256	/*	*/
#define MDC_ECG_LBB_BLK_INCOMP	17264	/*	*/

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#define MDC_ECG_RBB_BLK_COMP	17272	/*	*/
#define MDC_ECG_RBB_BLK_INCOMP	17280	/*	*/
#define MDC_ECG_BLK_TRIFASC	17288	/*	*/
#define MDC_ECG_BLK_ANT_L_HEMI	17296	/*	*/
#define MDC_ECG_WPW_A	17304	/*	*/
#define MDC_ECG_WPW_A_PROB	17312	/*	*/
#define MDC_ECG_WPW_A_POSSIB	17320	/*	*/
#define MDC_ECG_WPW_B	17328	/*	*/
#define MDC_ECG_WPW_B_PROB	17336	/*	*/
#define MDC_ECG_WPW_B_POSSIB	17344	/*	*/
#define MDC_ECG_WPW_UNK	17352	/*	*/
#define MDC_ECG_WPW_UNK_PROB	17360	/*	*/
#define MDC_ECG_WPW_UNK_POSSIB	17368	/*	*/
#define MDC_ECG_REG	17392	/*	*/
#define MDC_ECG_ATR_PQ_PQ_100	17416	/*	*/
#define MDC_ECG_ARRHY	17424	/*	*/
#define MDC_ECG_ARRHY_PQ_100	17432	/*	*/
#define MDC_ECG_SINUS_ARRHY	17440	/*	*/
#define MDC_ECG_ARRHY_ABS	17448	/*	*/
#define MDC_ECG_RESP_ARRHY	17456	/*	*/
#define MDC_ECG_BIGEM_INTERMIT	17496	/*	*/
#define MDC_ECG_ATR_BIGEM	17504	/*	*/
#define MDC_ECG_ATR_BIGEM_INTERMIT	17512	/*	*/
#define MDC_ECG_TRIGEM	17520	/*	*/
#define MDC_ECG_TRIGEM_INTERMIT	17528	/*	*/
#define MDC_ECG_VENT_EXTRASYST_W_PAUSE	17536	/*	*/
#define MDC_ECG_NORMAL	17552	/*	*/
#define MDC_ECG_NORMAL_ANNOT	17559	/*	*/
#define MDC_ECG_VENT_HYPERTROPHY_RIGHT	17560	/*	*/
#define MDC_ECG_VENT_HYPERTROPHY_LEFT	17568	/*	*/
#define MDC_ECG_VENT_HYPERTROPHY	17576	/*	*/

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#define MDC_ECG_INFARCT_ANT	17584	/*	*/
#define MDC_ECG_INFARCT_INT	17592	/*	*/
#define MDC_ECG_INFARCT_MIX	17600	/*	*/
#define MDC_ECG_PATHOL	17608	/*	*/
#define MDC_ECG_REPOLARIZ_DISTURB	17616	/*	*/
#define MDC_ECG_INFARCT_HYPER	17624	/*	*/
#define MDC_ECG_HYPER	17632	/*	*/
#define MDC_ECG_INFARCT	17640	/*	*/
#define MDC_ECG_INFARCT_LAT	17648	/*	*/
#define MDC_ECG_V_P_C_MULTIFOCAL	17656	/*	*/
#define MDC_ECG_V_P_C_MULTIFOCAL_CNT	17657	/*	*/
#define MDC_ECG_INOP	17664	/*	*/
#define MDC_ECG_INOP_ANNOT	17671	/*	*/
#define MDC_ECG_DUAL_PACER_POSN	17672	/*	*/
#define MDC_ECG_DUAL_PACER_POSN_ANNOT	17679	/*	*/
#define MDC_ECG_QUESTIONABLE	17680	/*	*/
#define MDC_ECG_QUESTIONABLE_ANNOT	17687	/*	*/
#define MDC_ECG_VENT_BEAT	17688	/*	*/
#define MDC_ECG_VENT_BEAT_ANNOT	17695	/*	*/
#define MDC_ECG_LEARN	17704	/*	*/
#define MDC_ECG_LEARN_ANNOT	17711	/*	*/

/* Block: ECG-STATISTICS

Partition: 2

Description: ECG Statistics */

#define MDC_ECG_ATR_PACED_BEAT_PCT	18000	/*	*/
#define MDC_ECG_BIGEM_PCT	18001	/*	*/
#define MDC_ECG_CARD_BEAT_RATE_IRREG_PCT	18002	/*	*/
#define MDC_ECG_DUAL_PACED_BEAT_PCT	18003	/*	*/
#define MDC_ECG_PACED_BEAT_PCT	18004	/*	*/
#define MDC_ECG_TRIGEM_PCT	18005	/*	*/
#define MDC_ECG_V_PACED_BEAT_PCT	18006	/*	*/

```

/* Block: HEMO                                     Partition: 2

Description:Haemodynamic events                               */

#define MDC_PULS                                     18432 /* PULS          */
#define MDC_PULS_RATE                               18442 /* PR            */
#define MDC_BLD_PULS_INV                           18448 /*              */
#define MDC_BLD_PULS_RATE_INV                      18450 /*              */
#define MDC_PULS_OXIM_PULS                         18456 /*              */
#define MDC_PULS_OXIM_PULS_RATE                   18458 /* PR            */
#define MDC_PLETH_PULS                             18464 /*              */
#define MDC_PLETH_PULS_RATE                       18466 /* PpI           */
#define MDC_PULS_NON_INV                           18472 /*              */
#define MDC_PULS_RATE_NON_INV                     18474 /*              */
#define MDC_TTHOR_HEART                            18480 /*              */
#define MDC_TTHOR_HEART_RATE                      18482 /*              */
#define MDC_PALPATION_HEART                       18488 /*              */
#define MDC_PALPATION_HEART_RATE                  18490 /*              */
#define MDC_PPG_TIME_PD_PP                        18496 /*              */

```

```

/* Block: HEMO-INDICES                               Partition: 2

Description:Haemodynamic Indices                               */

#define MDC_RES_VASC_SYS_INDEX                     18688 /* SVRI          */
#define MDC_WK_LV_STROKE_INDEX                     18692 /* LVSWI         */
#define MDC_OUTPUT_CARD_INDEX                     18700 /* CI            */
#define MDC_WK_RV_WORK_INDEX                      18704 /* RVWI          */

```

```

/* Block: HEMO-MEASURES                             Partition: 2

Description:Haemodynamic Measures                               */

#define MDC_PRESS_BLD                             18944 /* BP            */
#define MDC_PRESS_BLD_SYS                         18945 /* BPsys         */
#define MDC_PRESS_BLD_DIA                         18946 /* BPdia         */

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#define MDC_PRESS_BLD_MEAN	18947	/* BPmean	*/
#define MDC_PRESS_BLD_NONINV	18948	/* NIBP	*/
#define MDC_PRESS_BLD_NONINV_SYS	18949	/*	*/
#define MDC_PRESS_BLD_NONINV_DIA	18950	/*	*/
#define MDC_PRESS_BLD_NONINV_MEAN	18951	/*	*/
#define MDC_PRESS_BLD_NONINV_CTS	18952	/*	*/
#define MDC_PRESS_BLD_NONINV_SYS_CTS	18953	/*	*/
#define MDC_PRESS_BLD_NONINV_DIA_CTS	18954	/*	*/
#define MDC_PRESS_BLD_NONINV_MEAN_CTS	18955	/*	*/
#define MDC_PRESS_BLD_AORT	18956	/* BP	*/
#define MDC_PRESS_BLD_AORT_SYS	18957	/* BP	*/
#define MDC_PRESS_BLD_AORT_DIA	18958	/* BP	*/
#define MDC_PRESS_BLD_AORT_MEAN	18959	/* BP	*/
#define MDC_PRESS_BLD_ART	18960	/* ART	*/
#define MDC_PRESS_BLD_ART_SYS	18961	/* ART	*/
#define MDC_PRESS_BLD_ART_DIA	18962	/* ARTdia	*/
#define MDC_PRESS_BLD_ART_MEAN	18963	/* ARTdia	*/
#define MDC_PRESS_BLD_ART_ABP	18964	/* ABP	*/
#define MDC_PRESS_BLD_ART_ABP_SYS	18965	/* ABP	*/
#define MDC_PRESS_BLD_ART_ABP_DIA	18966	/* ABP	*/
#define MDC_PRESS_BLD_ART_ABP_MEAN	18967	/* ABP	*/
#define MDC_PRESS_BLD_ART_AUG	18968	/* IABP	*/
#define MDC_PRESS_BLD_ART_AUG_SYS	18969	/* IABP	*/
#define MDC_PRESS_BLD_ART_AUG_DIA	18970	/* IABPdia	*/
#define MDC_PRESS_BLD_ART_AUG_MEAN	18971	/* IABP	*/
#define MDC_PRESS_BLD_ART_PULM	18972	/* PAP	*/
#define MDC_PRESS_BLD_ART_PULM_SYS	18973	/*	*/
#define MDC_PRESS_BLD_ART_PULM_DIA	18974	/* PAPdia	*/
#define MDC_PRESS_BLD_ART_PULM_MEAN	18975	/* PAPmean	*/
#define MDC_PRESS_BLD_ART_PULM_OCCL	18980	/* PAWP	*/
#define MDC_PRESS_BLD_ART_PULM_WEDGE	18980	/* PAWP	*/

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#define MDC_PRESS_BLD_ART_UMB	18984	/* UAP	*/
#define MDC_PRESS_BLD_ART_UMB_SYS	18985	/* UAP	*/
#define MDC_PRESS_BLD_ART_UMB_DIA	18986	/* UAP	*/
#define MDC_PRESS_BLD_ART_UMB_MEAN	18987	/* UAP	*/
#define MDC_PRESS_BLD_ATR	18988	/* AtrP	*/
#define MDC_PRESS_BLD_ATR_LEFT	18992	/* LAP	*/
#define MDC_PRESS_BLD_ATR_LEFT_SYS	18993	/* LAP	*/
#define MDC_PRESS_BLD_ATR_LEFT_DIA	18994	/* LAP	*/
#define MDC_PRESS_BLD_ATR_LEFT_MEAN	18995	/* LAP	*/
#define MDC_PRESS_BLD_ATR_RIGHT	18996	/* RAP	*/
#define MDC_PRESS_BLD_ATR_RIGHT_SYS	18997	/* LAP	*/
#define MDC_PRESS_BLD_ATR_RIGHT_DIA	18998	/* LAP	*/
#define MDC_PRESS_BLD_ATR_RIGHT_MEAN	18999	/* LAP	*/
#define MDC_PRESS_BLD_PULM_CAP	19004	/* PCP	*/
#define MDC_PRESS_BLD_PULM_CAP_SYS	19005	/* PAPsyst	*/
#define MDC_PRESS_BLD_PULM_CAP_DIA	19006	/* PCP	*/
#define MDC_PRESS_BLD_PULM_CAP_MEAN	19007	/* PCP	*/
#define MDC_PRESS_BLD_VEN	19008	/* VP	*/
#define MDC_PRESS_BLD_VEN_CENT	19012	/* CVP	*/
#define MDC_PRESS_BLD_VEN_CENT_SYS	19013	/* CVP	*/
#define MDC_PRESS_BLD_VEN_CENT_DIA	19014	/* CVP	*/
#define MDC_PRESS_BLD_VEN_CENT_MEAN	19015	/* CVP	*/
#define MDC_PRESS_BLD_VEN_UMB	19016	/* UVP	*/
#define MDC_PRESS_BLD_VEN_UMB_SYS	19017	/* CVP	*/
#define MDC_PRESS_BLD_VEN_UMB_DIA	19018	/* CVP	*/
#define MDC_PRESS_BLD_VEN_UMB_MEAN	19019	/* CVP	*/
#define MDC_PRESS_BLD_VENT	19020	/*	*/
#define MDC_PRESS_BLD_VENT_SYS	19021	/*	*/
#define MDC_PRESS_BLD_VENT_DIA	19022	/*	*/
#define MDC_PRESS_BLD_VENT_MEAN	19023	/*	*/
#define MDC_PRESS_BLD_VENT_END	19024	/*	*/

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#define MDC_PRESS_BLD_VENT_SYS_END	19025	/*	*/
#define MDC_PRESS_BLD_VENT_DIA_END	19026	/*	*/
#define MDC_PRESS_BLD_VENT_MEAN_END	19027	/*	*/
#define MDC_PRESS_BLD_VENT_LEFT	19028	/* LVP	*/
#define MDC_PRESS_BLD_VENT_LEFT_SYS	19029	/* LVP	*/
#define MDC_PRESS_BLD_VENT_LEFT_DIA	19030	/*	*/
#define MDC_PRESS_BLD_VENT_LEFT_MEAN	19031	/*	*/
#define MDC_PRESS_BLD_VENT_RIGHT	19032	/* RVP	*/
#define MDC_PRESS_BLD_VENT_RIGHT_SYS	19033	/* RVP	*/
#define MDC_PRESS_BLD_VENT_RIGHT_DIA	19034	/*	*/
#define MDC_PRESS_BLD_VENT_RIGHT_MEAN	19035	/*	*/
#define MDC_PRESS_BLD_VENT_AUG	19036	/*	*/
#define MDC_PRESS_BLD_CORON_ART	19040	/*	*/
#define MDC_PRESS_BLD_CORON_ART_SYS	19041	/*	*/
#define MDC_PRESS_BLD_CORON_ART_DIA	19042	/*	*/
#define MDC_PRESS_BLD_CORON_ART_MEAN	19043	/*	*/
#define MDC_PRESS_BLD_CORON_ART_L	19044	/*	*/
#define MDC_PRESS_BLD_CORON_ART_L_SYS	19045	/*	*/
#define MDC_PRESS_BLD_CORON_ART_L_DIA	19046	/*	*/
#define MDC_PRESS_BLD_CORON_ART_L_MEAN	19047	/*	*/
#define MDC_PRESS_BLD_CORON_ART_L_ANT_DESCEND	19048	/*	*/
#define MDC_PRESS_BLD_CORON_ART_L_ANT_DESCEND_SYS	19049	/*	*/
#define MDC_PRESS_BLD_CORON_ART_L_ANT_DESCEND_DIA	19050	/*	*/
#define MDC_PRESS_BLD_CORON_ART_L_ANT_DESCEND_MEAN	19051	/*	*/
#define MDC_PRESS_BLD_CORON_ART_L_CIRC	19052	/*	*/
#define MDC_PRESS_BLD_CORON_ART_L_CIRC_SYS	19053	/*	*/
#define MDC_PRESS_BLD_CORON_ART_L_CIRC_DIA	19054	/*	*/
#define MDC_PRESS_BLD_CORON_ART_L_CIRC_MEAN	19055	/*	*/
#define MDC_PRESS_BLD_CORON_ART_R	19056	/*	*/
#define MDC_PRESS_BLD_CORON_ART_R_SYS	19057	/*	*/
#define MDC_PRESS_BLD_CORON_ART_R_DIA	19058	/*	*/

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#define MDC_PRESS_BLD_CORON_ART_R_MEAN	19059	/*	*/
#define MDC_PRESS_BLD_CORON_ART_R_POST_DESCEND	19060	/*	*/
#define MDC_PRESS_BLD_CORON_ART_R_POST_DESCEND_SYS	19061	/*	*/
#define MDC_PRESS_BLD_CORON_ART_R_POST_DESCEND_DIA	19062	/*	*/
#define MDC_PRESS_BLD_CORON_ART_R_POST_DESCEND_MEAN	19063	/*	*/
#define MDC_PRESS_BLD_CORON_ART_CONUS	19064	/*	*/
#define MDC_PRESS_BLD_CORON_ART_CONUS_SYS	19065	/*	*/
#define MDC_PRESS_BLD_CORON_ART_CONUS_DIA	19066	/*	*/
#define MDC_PRESS_BLD_CORON_ART_CONUS_MEAN	19067	/*	*/
#define MDC_PRESS_BLD_CORON_ART_R_MARG	19068	/*	*/
#define MDC_PRESS_BLD_CORON_ART_R_MARG_SYS	19069	/*	*/
#define MDC_PRESS_BLD_CORON_ART_R_MARG_DIA	19070	/*	*/
#define MDC_PRESS_BLD_CORON_ART_R_MARG_MEAN	19071	/*	*/
#define MDC_PRESS_BLD_VENT_LEFT_BEGIN	19072	/*	*/
#define MDC_PRESS_BLD_VENT_LEFT_BEGIN_DIA	19074	/*	*/
#define MDC_PRESS_BLD_VENT_LEFT_SYS_MEAN	19077	/*	*/
#define MDC_PRESS_BLD_VENT_LEFT_DIA_MEAN	19082	/*	*/
#define MDC_SAT_O2_CONSUMP	19200	/* VO2	*/
#define MDC_OUTPUT_CARD	19204	/* C.O.	*/
#define MDC_OUTPUT_CARD_ART_BRANCH	19208	/*	*/
#define MDC_OUTPUT_CARD_VEN_BRANCH	19212	/*	*/
#define MDC_PLETH_VOL_BLD	19224	/*	*/
#define MDC_RES_VASC	19232	/* TVR	*/
#define MDC_RES_VASC_PULM	19236	/* PVR	*/
#define MDC_RES_VASC_SYS	19240	/* SVR	*/
#define MDC_SAT_O2	19244	/* SatO2	*/
#define MDC_SAT_O2_QUAL	19248	/* dSvO2LI	*/
#define MDC_SAT_O2_ART	19252	/* SaO2	*/
#define MDC_SAT_O2_CEREB	19256	/*	*/
#define MDC_SAT_O2_VEN	19260	/* SvO2	*/
#define MDC_SAT_DIFF_O2_ART_ALV	19264	/* S(A-s)O2	*/

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#define MDC_SAT_DIFF_O2_ART	19268	/* S(A-V)O2	*/
#define MDC_TEMP	19272	/* TEMPnos	*/
#define MDC_TEMP_FOLEY	19276	/* TEMPfole	*/
#define MDC_TEMP_ART	19280	/* TEMPart	*/
#define MDC_TEMP_AWAY	19284	/* TEMPairw	*/
#define MDC_TEMP_BODY	19292	/* TEMPbody	*/
#define MDC_TEMP_CORE	19296	/* TCore	*/
#define MDC_TEMP_ESOPH	19300	/* TEMPesop	*/
#define MDC_TEMP_INJ	19304	/* TEMPinj	*/
#define MDC_TEMP_NASOPH	19308	/* TEMPnaso	*/
#define MDC_TEMP_SKIN	19316	/* TEMPskin	*/
#define MDC_TEMP_TYMP	19320	/* TEMPtymp	*/
#define MDC_TEMP_VEN	19324	/* TEMPven	*/
#define MDC_VOL_BLD_STROKE	19332	/* SV	*/
#define MDC_VOL_BLD_VENT_LEFT_STROKE	19336	/* LVSV	*/
#define MDC_WK_CARD	19340	/* CW	*/
#define MDC_WK_CARD_LEFT	19344	/* LCW	*/
#define MDC_WK_CARD_RIGHT	19348	/* RCW	*/
#define MDC_WK_LV_STROKE	19356	/* LVSW	*/
#define MDC_WK_RV	19360	/* RVW	*/
#define MDC_WK_RV_STROKE	19364	/* RVSW	*/
#define MDC_WK_LV	19368	/* VSW	*/
#define MDC_SAT_O2_ART_PULM	19372	/* SaO2	*/
#define MDC_PULS_OXIM_PERF_REL	19376	/*	*/
#define MDC_PLETH	19380	/*	*/
#define MDC_PULS_OXIM_PLETH	19380	/*	*/
#define MDC_PULS_OXIM_SAT_O2	19384	/* SpO2	*/
#define MDC_PULS_OXIM_SAT_O2_CTS	19388	/* SpO2	*/
#define MDC_PULS_OXIM_SAT_O2_NONCTS	19392	/* SpO2	*/
#define MDC_PULS_OXIM_SAT_O2_DIFF	19396	/* dSpO2	*/
#define MDC_PULS_OXIM_SAT_O2_ART_LEFT	19400	/* SpO2L	*/

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#define MDC_PULS_OXIM_SAT_O2_ART_RIGHT	19404	/* SpO2R	*/
#define MDC_NBP_SAT_O2_ART	19408	/* SpO2nbp	*/
#define MDC_DESAT	19412	/*	*/
#define MDC_BLD_PERF_INDEX	19416	/* CI	*/
#define MDC_OUTPUT_CARD_CTS	19420	/* C.O.	*/
#define MDC_OUTPUT_CARD_NONCTS	19424	/* C.O.	*/
#define MDC_PRESS_BLD_VENT_LEFT_END	19428	/*	*/
#define MDC_PRESS_BLD_VENT_LEFT_END_DIA	19430	/* LVP	*/
#define MDC_INDEX_PRESS_VENT_L_DERIV_POS	19432	/*	*/
#define MDC_INDEX_PRESS_VENT_L_DERIV_POS_MAX_DIV_P	19436	/*	*/
#define MDC_INDEX_PRESS_VENT_L_DERIV_NEG_MAX	19440	/*	*/
#define MDC_INDEX_PRESS_VENT_L_RELAX	19444	/*	*/
#define MDC_TIME_PD_VENT_L_AORT_VALV	19448	/*	*/
#define MDC_TIME_PD_VENT_L_AORT_VALV_DIA_FILL	19452	/*	*/
#define MDC_VOL_VENT_L_END_DIA	19456	/*	*/
#define MDC_VOL_VENT_L_END_SYS	19460	/*	*/
#define MDC_GRAD_PRESS_BLD_MITRAL	19464	/*	*/
#define MDC_GRAD_PRESS_BLD_MITRAL_MEAN	19467	/*	*/
#define MDC_GRAD_PRESS_BLD_MITRAL_POS	19468	/*	*/
#define MDC_GRAD_PRESS_BLD_MITRAL_POS_MAX	19469	/*	*/
#define MDC_GRAD_PRESS_BLD_TRICUSP	19472	/*	*/
#define MDC_GRAD_PRESS_BLD_TRICUSP_MEAN	19475	/*	*/
#define MDC_GRAD_PRESS_BLD_TRICUSP_POS	19476	/*	*/
#define MDC_GRAD_PRESS_BLD_TRICUSP_POS_MAX	19477	/*	*/
#define MDC_GRAD_PRESS_BLD_PULM	19480	/*	*/
#define MDC_GRAD_PRESS_BLD_PULM_MEAN	19483	/*	*/
#define MDC_GRAD_PRESS_BLD_PULM_POS	19484	/*	*/
#define MDC_GRAD_PRESS_BLD_PULM_POS_MAX	19485	/*	*/
#define MDC_GRAD_PRESS_BLD_AORT	19488	/*	*/
#define MDC_GRAD_PRESS_BLD_AORT_MEAN	19491	/*	*/
#define MDC_GRAD_PRESS_BLD_AORT_POS	19492	/*	*/

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#define MDC_GRAD_PRESS_BLD_AORT_POS_MAX	19493	/*	*/
#define MDC_TRANSMISSION	19496	/*	*/
#define MDC_TRANSMISSION_RED	19500	/*	*/
#define MDC_TRANSMISSION_INFRARED	19504	/*	*/
#define MDC_MODALITY_FAST	19508	/*	*/
#define MDC_MODALITY_SLOW	19512	/*	*/
#define MDC_MODALITY_SPOT	19516	/*	*/
#define MDC_PULS_OXIM_DEV_STATUS	19532	/*	*/
#define MDC_PULS_OXIM_PULS_CHAR	19533	/*	*/
#define MDC_PULS_OXIM_PULS_CHAR_NOMINAL	19534	/*	*/
#define MDC_PULS_OXIM_PULS_CHAR_MARGINAL	19535	/*	*/
#define MDC_PULS_OXIM_PULS_CHAR_MINIMAL	19536	/*	*/
#define MDC_PULS_OXIM_PULS_CHAR_UNACCEPTABLE	19537	/*	*/
#define MDC_ACCELERATION_INDEX	19540	/*	*/
#define MDC_SYSTOLIC_TIME_RATIO	19544	/*	*/
#define MDC_THORACIC_FLUID_CONTENT	19548	/*	*/
#define MDC_TIME_PD_VENT_L_AORT_EJCT	19552	/*	*/
#define MDC_TIME_PD_VENT_L_AORT_PRE_EJCT	19556	/*	*/
#define MDC_VELOCITY_INDEX	19560	/*	*/
#define MDC_VOL_BLD_STROKE_INDEX	19564	/*	*/
#define MDC_WK_LV_WORK_INDEX	19568	/*	*/
#define MDC_WK_RV_STROKE_INDEX	19572	/*	*/
#define MDC_PRESS_BLD_ART_FEMORAL	19576	/*	*/
#define MDC_PRESS_BLD_ART_FEMORAL_SYS	19577	/*	*/
#define MDC_PRESS_BLD_ART_FEMORAL_DIA	19578	/*	*/
#define MDC_PRESS_BLD_ART_FEMORAL_MEAN	19579	/*	*/
#define MDC_FLOW_BLD_PULM_CAP	19580	/*	*/
#define MDC_O2_OXYGENATION_RATIO	19584	/*	*/
#define MDC_OUTPUT_CARDIAC_FICK	19588	/*	*/
#define MDC_SAT_O2_CONSUMP_INDEX	19592	/*	*/
#define MDC_SAT_O2_DELIV_INDEX	19596	/*	*/

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#define MDC_SPO2_OXYGENATION_RATIO          19600  /* */
#define MDC_PRESS_BLD_VEN_FEMORAL           19604  /* */
#define MDC_PRESS_BLD_ART_BRACHIAL          19608  /* */

/* Block: RESP/VENT                          Partition: 2

Description Respiratory/Ventilation events      */
#define MDC_RESP                             20480  /* */
#define MDC_RESP_RATE                        20482  /* RR */
#define MDC_RESP_RATE                        20490  /* RR */
#define MDC_AWAY_RESP                       20496  /* */
#define MDC_AWAY_RESP_RATE                   20498  /* RR */
#define MDC_TTHOR_RESP                      20504  /* */
#define MDC_TTHOR_RESP_RATE                  20506  /* RR */
#define MDC_VENT_RESP                       20512  /* */
#define MDC_VENT_RESP_RATE                   20514  /* */
#define MDC_CO2_RESP                        20520  /* */
#define MDC_CO2_RESP_RATE                    20522  /* RR */
#define MDC_PRESS_RESP                      20528  /* */
#define MDC_PRESS_RESP_RATE                  20530  /* RR */
#define MDC_VENT_CO2_RESP                   20536  /* */
#define MDC_VENT_CO2_RESP_RATE               20538  /* */
#define MDC_VENT_PRESS_RESP                 20544  /* */
#define MDC_VENT_PRESS_RESP_RATE             20546  /* */
#define MDC_VENT_FLOW_RESP                  20552  /* */
#define MDC_VENT_FLOW_RESP_RATE              20554  /* */
#define MDC_VENT_SIGH                       20560  /* */
#define MDC_VENT_SIGH_RATE                   20562  /* */
#define MDC_VENT_SIGH_MULT                   20568  /* */
#define MDC_VENT_SIGH_MULT_RATE               20570  /* */
#define MDC_ACOUSTIC_RESP                    20576  /* */
#define MDC_ACOUSTIC_RESP_RATE               20578  /* */

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#define MDC_PULS_OXIM_PLETH_RESP	20584	/*	*/
#define MDC_PULS_OXIM_PLETH_RESP_RATE	20586	/*	*/
#define MDC_RESP_SPONT	20592	/*	*/
#define MDC_RESP_SPONT_RATE	20594	/*	*/
#define MDC_RESP_BTSD_PS	20600	/*	*/
#define MDC_RESP_BTSD_PS_RATE	20602	/*	*/
/* Block: RESP/VENT	Partition: 2		
Description Respiratory/Ventilation Measures			*/
#define MDC_CAPAC_VITAL	20608	/* VC	*/
#define MDC_VENT_TIME_PD_EXP_PAUSE	20612	/*	*/
#define MDC_COMPL_LUNG	20616	/* C TH+L	*/
#define MDC_COMPL_LUNG_DYN	20620	/* C TH	*/
#define MDC_COMPL_LUNG_STATIC	20624	/* C L	*/
#define MDC_CONC_AWAY_CO2	20628	/* %CO2	*/
#define MDC_CONC_AWAY_CO2_ET	20636	/* %CO2 ET	*/
#define MDC_CONC_AWAY_CO2_EXP	20640	/* %CO2 exp	*/
#define MDC_CONC_AWAY_CO2_EXP_MIN	20642	/* IMCO2	*/
#define MDC_CONC_AWAY_CO2_INSP	20644	/* %CO2 ins	*/
#define MDC_CONC_AWAY_CO2_INSP_MIN	20646	/* IMCO2	*/
#define MDC_CONC_AWAY_O2_DELTA	20672	/*	*/
#define MDC_CO2_TCUT	20684	/* CPCO2	*/
#define MDC_O2_TCUT	20688	/* CPO2	*/
#define MDC_FLOW_AWAY	20692	/*	*/
#define MDC_FLOW_AWAY_EXP	20696	/* E	*/
#define MDC_FLOW_AWAY_EXP_MAX	20697	/* E max	*/
#define MDC_FLOW_AWAY_INSP	20700	/* I	*/
#define MDC_FLOW_AWAY_INSP_MAX	20701	/* I max	*/
#define MDC_FLOW_CO2_PROD_RESP	20704	/* CO2	*/
#define MDC_IMPED_TTHOR	20708	/* Z0	*/
#define MDC_PRESS_RESP_PLAT_STATIC	20712	/*	*/

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#define MDC_PRESS_RESP_PLAT	20712	/*	*/
#define MDC_PRESS_RESP_PAUSE	20716	/*	*/
#define MDC_PRESS_AWAY	20720	/* PAW	*/
#define MDC_PRESS_AWAY_MAX	20721	/* PAWmax	*/
#define MDC_PRESS_AWAY_MIN	20722	/* PAWmin	*/
#define MDC_PRESS_AWAY_MEAN	20723	/* PAWmean	*/
#define MDC_PRESS_AWAY_CTS_POS	20724	/* CPAP	*/
#define MDC_PRESS_AWAY_NEG	20728	/*	*/
#define MDC_PRESS_AWAY_NEG_MAX	20729	/* PAWmin	*/
#define MDC_PRESS_AWAY_END_EXP_POS	20732	/* PEEP	*/
#define MDC_PRESS_AWAY_END_EXP_POS_EXTRINSIC	20732	/*	*/
#define MDC_PRESS_AWAY_END_EXP_POS_INTRINSIC	20736	/* PEEP	*/
#define MDC_PRESS_AWAY_EXP	20740	/* PE	*/
#define MDC_PRESS_AWAY_EXP_MAX	20741	/* PE max	*/
#define MDC_PRESS_AWAY_EXP_MIN	20742	/* PE min	*/
#define MDC_PRESS_AWAY_INSP	20744	/* PI	*/
#define MDC_PRESS_AWAY_INSP_MAX	20745	/* PIP	*/
#define MDC_PRESS_AWAY_INSP_MIN	20746	/* PI min	*/
#define MDC_PRESS_AWAY_INSP_MEAN	20747	/* PI mean	*/
#define MDC_PRESS_ESOPH	20748	/* POES	*/
#define MDC_PRESS_INTRAPL	20752	/* PPL	*/
#define MDC_QUO_RESP	20756	/* RQ	*/
#define MDC_RATIO_IE	20760	/* I/E	*/
#define MDC_RATIO_AWAY_DEADSP_TIDAL	20764	/* VD/VT	*/
#define MDC_RES_AWAY	20768	/* RAW	*/
#define MDC_RES_AWAY_EXP	20772	/* REAW	*/
#define MDC_RES_AWAY_INSP	20776	/* RIAW	*/
#define MDC_TIME_PD_APNEA_OBSTRUC	20780	/* OA	*/
#define MDC_TIME_PD_APNEA	20784	/* A	*/
#define MDC_TIME_PD_APNEA_CENT	20788	/* CA	*/
#define MDC_TIME_PD_APNEA_MIX	20792	/* MA	*/

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#define MDC_VOL_AWAY_TIDAL	20796	/* VT	*/
#define MDC_VOL_AWAY_DEADSP	20800	/* VD	*/
#define MDC_VOL_GAS_INSP_SINCE_START	20804	/* V	*/
#define MDC_VOL_MINUTE_AWAY	20808	/*	*/
#define MDC_VOL_MINUTE_AWAY_EXP	20812	/* E	*/
#define MDC_VOL_MINUTE_AWAY_INSP	20816	/* I	*/
#define MDC_CONC_AWAY_O2	20836	/* %O2	*/
#define MDC_CONC_GASDLV_O2_DELTA	20840	/* FI-EO2	*/
#define MDC_VENT_FLOW	20868	/*	*/
#define MDC_VENT_FLOW_EXP	20872	/* E	*/
#define MDC_VENT_FLOW_EXP_MAX	20873	/* E max	*/
#define MDC_VENT_FLOW_INSP	20876	/* I	*/
#define MDC_VENT_FLOW_INSP_MAX	20877	/* I max	*/
#define MDC_VENT_FLOW_RATIO_PERF_ALV_INDEX	20880	/*	*/
#define MDC_VENT_PRESS	20884	/*	*/
#define MDC_VENT_PRESS_MAX	20885	/* PAW max	*/
#define MDC_VENT_PRESS_MIN	20886	/* PAW min	*/
#define MDC_VENT_PRESS_OCCL	20892	/*	*/
#define MDC_VENT_PRESS_AWAY	20900	/* PAW	*/
#define MDC_VENT_PRESS_AWAY_MAX	20901	/* PAW max	*/
#define MDC_VENT_PRESS_AWAY_MIN	20902	/* PAW min	*/
#define MDC_VENT_PRESS_AWAY_MEAN	20903	/* PAW mean	*/
#define MDC_VENT_PRESS_AWAY_END_EXP_POS	20904	/* PEEP	*/
#define MDC_VENT_VOL_TIDAL	20908	/* VT	*/
#define MDC_VENT_VOL_AWAY_DEADSP	20912	/* VD	*/
#define MDC_VENT_VOL_AWAY_DEADSP_REL	20916	/* VD/VT	*/
#define MDC_VENT_VOL_LUNG_TRAPD	20920	/* CV	*/
#define MDC_VENT_VOL_MINUTE	20924	/* VI	*/
#define MDC_VENT_VOL_MINUTE_EXP	20928	/* VE	*/
#define MDC_VENT_VOL_MINUTE_INSP	20932	/* VI	*/
#define MDC_VENT_VOL_MINUTE_AWAY	20936	/* MMV	*/

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#define MDC_VENT_VOL_MINUTE_AWAY_MAND	20940	/* MMV	*/
#define MDC_VENT_VOL_MINUTE_AWAY_INSP	20944	/* I	*/
#define MDC_COEF_GAS_TRAN	20948	/* D	*/
#define MDC_CONC_AWAY_DESFL	20952	/* %DESFL	*/
#define MDC_CONC_AWAY_ENFL	20956	/* %ENFL	*/
#define MDC_CONC_AWAY_HALOTH	20960	/* %HALOTH	*/
#define MDC_CONC_AWAY_SEVOFL	20964	/* %SEVOFL	*/
#define MDC_CONC_AWAY_ISOFL	20968	/* %ISOFL	*/
#define MDC_CONC_AWAY_NO2	20972	/* %NO2	*/
#define MDC_CONC_AWAY_N2O	20976	/* %N2O	*/
#define MDC_CONC_GASDLV_DESFL	20980	/*	*/
#define MDC_CONC_GASDLV_ENFL	20984	/*	*/
#define MDC_CONC_GASDLV_HALOTH	20988	/*	*/
#define MDC_CONC_GASDLV_SEVOFL	20992	/*	*/
#define MDC_CONC_GASDLV_ISOFL	20996	/*	*/
#define MDC_CONC_GASDLV_NO2	21000	/*	*/
#define MDC_CONC_GASDLV_N2O	21004	/*	*/
#define MDC_CONC_GASDLV_SUBST_DELTA	21008	/*	*/
#define MDC_CONC_AWAY_DESFL_ET	21012	/*	*/
#define MDC_CONC_AWAY_ENFL_ET	21016	/*	*/
#define MDC_CONC_AWAY_HALOTH_ET	21020	/*	*/
#define MDC_CONC_AWAY_SEVOFL_ET	21024	/*	*/
#define MDC_CONC_AWAY_ISOFL_ET	21028	/*	*/
#define MDC_CONC_AWAY_NO2_ET	21032	/*	*/
#define MDC_CONC_AWAY_N2O_ET	21036	/*	*/
#define MDC_CONC_AWAY_DESFL_EXP	21040	/*	*/
#define MDC_CONC_AWAY_ENFL_EXP	21044	/*	*/
#define MDC_CONC_AWAY_HALOTH_EXP	21048	/*	*/
#define MDC_CONC_AWAY_SEVOFL_EXP	21052	/*	*/
#define MDC_CONC_AWAY_ISOFL_EXP	21056	/*	*/
#define MDC_CONC_AWAY_NO2_EXP	21060	/*	*/

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#define MDC_CONC_AWAY_N2O_EXP	21064	/*	*/
#define MDC_CONC_GASDLV_DESFL_EXP	21068	/*	*/
#define MDC_CONC_GASDLV_ENFL_EXP	21072	/*	*/
#define MDC_CONC_GASDLV_HALOTH_EXP	21076	/*	*/
#define MDC_CONC_GASDLV_SEVOFL_EXP	21080	/*	*/
#define MDC_CONC_GASDLV_ISOFL_EXP	21084	/*	*/
#define MDC_CONC_GASDLV_NO2_EXP	21088	/*	*/
#define MDC_CONC_GASDLV_N2O_EXP	21092	/*	*/
#define MDC_CONC_AWAY_DESFL_INSP	21096	/*	*/
#define MDC_CONC_AWAY_ENFL_INSP	21100	/*	*/
#define MDC_CONC_AWAY_HALOTH_INSP	21104	/*	*/
#define MDC_CONC_AWAY_SEVOFL_INSP	21108	/*	*/
#define MDC_CONC_AWAY_ISOFL_INSP	21112	/*	*/
#define MDC_CONC_AWAY_NO2_INSP	21116	/*	*/
#define MDC_CONC_AWAY_N2O_INSP	21120	/*	*/
#define MDC_CONC_AWAY_O2_INSP	21124	/* %O2 ins	*/
#define MDC_CONC_GASDLV_DESFL_INSP	21128	/*	*/
#define MDC_CONC_GASDLV_ENFL_INSP	21132	/*	*/
#define MDC_CONC_GASDLV_HALOTH_INSP	21136	/*	*/
#define MDC_CONC_GASDLV_SEVOFL_INSP	21140	/*	*/
#define MDC_CONC_GASDLV_ISOFL_INSP	21144	/*	*/
#define MDC_CONC_GASDLV_NO2_INSP	21148	/*	*/
#define MDC_CONC_GASDLV_N2O_INSP	21152	/*	*/
#define MDC_VENT_TIME_PD_INSP	21344	/*	*/
#define MDC_VENT_TIME_PD_PPV	21344	/*	*/
#define MDC_FLOW_O2_CONSUMP	21348	/* O2	*/
#define MDC_VENT_PRESS_RESP_PLAT	21352	/*	*/
#define MDC_VENT_PRESS_TRIG_SENS	21356	/*	*/
#define MDC_VENT_VOL_LEAK	21360	/*	*/
#define MDC_VENT_VOL_LUNG_ALV	21364	/* AV	*/
#define MDC_CONC_AWAY_O2_ET	21368	/*	*/

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#define MDC_CONC_AWAY_N2	21372	/*	*/
#define MDC_CONC_AWAY_N2_ET	21376	/*	*/
#define MDC_CONC_AWAY_N2_INSP	21380	/*	*/
#define MDC_CONC_AWAY_AGENT	21384	/*	*/
#define MDC_CONC_AWAY_AGENT_ET	21388	/*	*/
#define MDC_CONC_AWAY_AGENT_INSP	21392	/*	*/

/* Block: RESP/VENT

Partition: 2

Description Respiratory/Ventilation rates */

#define MDC_VENT_RESP_BACKUP	21408	/*	*/
#define MDC_VENT_RESP_BACKUP_RATE	21410	/*	*/
#define MDC_VENT_RESP_BTSD_PSAZC	21416	/*	*/
#define MDC_VENT_RESP_BTSD_PSAZC_RATE	21418	/*	*/
#define MDC_VENT_RESP_BTSD_P_RATE	21426	/*	*/
#define MDC_VENT_RESP_BTSD_S_RATE	21434	/*	*/
#define MDC_VENT_RESP_BTSD_A_RATE	21442	/*	*/
#define MDC_VENT_RESP_BTSD_Z_RATE	21450	/*	*/
#define MDC_VENT_RESP_BTSD_C_RATE	21458	/*	*/
#define MDC_VENT_RESP_BTSD_PS_RATE	21466	/*	*/
#define MDC_VENT_RESP_BTSD_AZC_RATE	21474	/*	*/
#define MDC_VENT_RESP_BTSD_PSAZ_RATE	21482	/*	*/
#define MDC_VENT_RESP_TARGET_AUTO_RATE	21490	/*	*/

#define MDC_FLOW_AWAY_EXP_FORCED_PEAK	21512	/*	*/

/* Block: PEF

Partition: 2

Description: Peak Expiratory Flow */

#define MDC_FLOW_AWAY_EXP_FORCED_PEAK_PB	21513	/*	*/
#define MDC_VOL_AWAY_EXP_FORCED_1S	21514	/*	*/
#define MDC_VOL_AWAY_EXP_FORCED_6S	21515	/*	*/

/* Block: NEBULIZER

Partition: 2

Description: Nebulizer measures			*/
#define MDC_RES_AWAY_DYNAMIC	21524	/*	*/
#define MDC_COMPL_LUNG_DYNAMIC	21528	/*	*/
#define MDC_VENT_TIME_PD_INSP_PERCENT	21532	/*	*/
#define MDC_TIME_PD_INSP	21536	/*	*/
#define MDC_TIME_PD_EXP	21540	/*	*/
#define MDC_VENT_TIME_PD_INSP_BACKUP	21544	/*	*/
#define MDC_VENT_TIME_PD_SUPP	21548	/*	*/
#define MDC_VENT_TIME_PD_SUPP_MAX	21549	/*	*/
#define MDC_VENT_TIME_PD_INSP_PAUSE	21552	/*	*/
#define MDC_VENT_TIME_PD_INSP_PAUSE_PERCENT	21556	/*	*/
#define MDC_VENT_TIME_PD_INSP_HOLD	21560	/*	*/
#define MDC_VENT_TIME_PD_EXP_HOLD	21564	/*	*/
#define MDC_RATIO_INSP	21568	/*	*/
#define MDC_VENT_TIME_PD_INSP_THIGH	21572	/*	*/
#define MDC_VENT_TIME_PD_EXP_TLOW	21576	/*	*/
#define MDC_VENT_FLOW_BIAS	21580	/*	*/
#define MDC_VENT_FLOW_CONTINUOUS	21584	/*	*/
#define MDC_VOL_AWAY_TIDAL_INSP	21588	/*	*/
#define MDC_VOL_AWAY_TIDAL_EXP	21592	/*	*/
#define MDC_VOL_AWAY_TIDAL_EXP_MAX	21593	/*	*/
#define MDC_VOL_AWAY_TIDAL_EXP_BTSD_PSAZC_PER_IBW	21596	/*	*/
#define MDC_VOL_AWAY_TIDAL_EXP_PER_IBW	21596	/*	*/
#define MDC_VOL_AWAY_TIDAL_EXP_BTSD_PSAZC	21600	/*	*/
#define MDC_VOL_AWAY_TIDAL_EXP_BTSD_PS	21604	/*	*/
#define MDC_VOL_AWAY_TIDAL_EXP_BTSD_AZC	21608	/*	*/
#define MDC_VOL_AWAY_TIDAL_EXP_BTSD_PS_PER_IBW	21612	/*	*/
#define MDC_VOL_MINUTE_AWAY_EXP_BTSD_PSAZC_PER_IBW	21616	/*	*/
#define MDC_VOL_MINUTE_AWAY_EXP_PER_IBW	21616	/*	*/
#define MDC_VOL_MINUTE_AWAY_EXP_BTSD_PSAZC	21620	/*	*/
#define MDC_VOL_MINUTE_AWAY_EXP_BTSD_PS	21624	/*	*/

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#define MDC_VOL_MINUTE_AWAY_EXP_BTSD_AZC	21628	/*	*/
#define MDC_VOL_MINUTE_AWAY_EXP_BTSD_PS_PER_IBW	21632	/*	*/
#define MDC_VOL_AWAY	21636	/*	*/
#define MDC_PRESS_AWAY_INSP_END	21640	/*	*/
#define MDC_VENT_PRESS_AWAY_BASELINE	21644	/*	*/
#define MDC_VENT_PRESS_AWAY_DELTA	21648	/*	*/
#define MDC_VENT_PRESS_AWAY_BACKUP	21652	/*	*/
#define MDC_VENT_PRESS_AWAY_DELTA_BACKUP	21656	/*	*/
#define MDC_VENT_PRESS_AWAY_SUPP	21660	/*	*/
#define MDC_VENT_PRESS_AWAY_DELTA_SUPP	21664	/*	*/
#define MDC_VENT_PRESS_AWAY_INSP_PHIGH	21668	/*	*/
#define MDC_VENT_PRESS_AWAY_EXP_PLOW	21672	/*	*/
#define MDC_VENT_PRESS_AWAY_LIMIT	21676	/*	*/
#define MDC_VENT_PRESS_AWAY_LIMIT_PMAX	21680	/*	*/
#define MDC_VENT_PRESS_AWAY_LIMIT_RELIEF	21684	/*	*/
#define MDC_VENT_PRESS_AWAY_LIMIT_PMIN	21688	/*	*/
#define MDC_VENT_PRESS_AWAY_DELTA_LIMIT_PMIN	21692	/*	*/
#define MDC_VENT_PRESS_AWAY_RISETIME_CTLD	21696	/*	*/
#define MDC_VENT_PRESS_AWAY_RISETIME_SUPP	21700	/*	*/
#define MDC_PRESS_RESP_PLAT_DYNAMIC	21704	/*	*/
#define MDC_VENT_PRESS_OCCL_P100MS	21708	/*	*/
#define MDC_VENT_PRESS_OCCL_NIF	21712	/*	*/
#define MDC_PRESS_AWAY_END_EXP_POS_TOTAL	21716	/*	*/
#define MDC_PRESS_AWAY_END_EXP_POS_EXTRINSIC_DYNAMIC	21720	/*	*/
#define MDC_PRESS_AWAY_END_EXP_POS_INTRINSIC_DYNAMIC	21724	/*	*/
#define MDC_PRESS_AWAY_END_EXP_POS_TOTAL_DYNAMIC	21728	/*	*/
#define MDC_VENT_FLOW_TRIG_SENS	21732	/*	*/
#define MDC_VENT_FLOW_THRESH_END_INSP	21736	/*	*/
#define MDC_RESP_EXPENDED_ENERGY	21740	/*	*/
#define MDC_FLOW_O2_CONSUMP_PER_IBW	21744	/*	*/
#define MDC_FLOW_O2_CONSUMP_PER_BSA	21748	/*	*/

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#define MDC_FLOW_CO2_PROD_RESP_PER_IBW	21752	/*	*/
#define MDC_FLOW_CO2_PROD_RESP_PER_BSA	21756	/*	*/
#define MDC_PRESS_BAROMETRIC	21760	/*	*/
#define MDC_PRESS_AIR_AMBIENT	21764	/*	*/
#define MDC_BLD_SHUNT_FRACTION	21768	/*	*/
#define MDC_CONC_PO2_ART_VEN_DIFF	21772	/*	*/
#define MDC_CONC_PCO2_ART_PULM	21776	/*	*/
#define MDC_RES_VASC_PULM_INDEX	21780	/*	*/
#define MDC_O2_EXTRACTION_RATIO	21784	/*	*/
#define MDC_RESP_RAPID_SHALLOW_BREATHING_INDEX	21788	/*	*/
#define MDC_CONC_MAC_SUM	21792	/*	*/
#define MDC_CONC_MAC_SUM_AGE_CORR	21796	/*	*/
#define MDC_CONC_MAC	21800	/*	*/
#define MDC_FLOW_AIR_FG	21804	/*	*/
#define MDC_VOL_DELIV_AIR_CASE	21808	/*	*/
#define MDC_VOL_DELIV_AIR_TOTAL	21812	/*	*/
#define MDC_PRESS_AIR_SUPPLY	21816	/*	*/
#define MDC_PRESS_AIR_CYL	21820	/*	*/
#define MDC_VOL_DELIV_DESFL_CASE	21824	/*	*/
#define MDC_VOL_DELIV_DESFL_LIQUID_CASE	21828	/*	*/
#define MDC_VOL_DELIV_DESFL_LIQUID_TOTAL	21832	/*	*/
#define MDC_VOL_DELIV_DESFL_TOTAL	21836	/*	*/
#define MDC_VOL_DELIV_ENFL_CASE	21840	/*	*/
#define MDC_VOL_DELIV_ENFL_LIQUID_CASE	21844	/*	*/
#define MDC_VOL_DELIV_ENFL_LIQUID_TOTAL	21848	/*	*/
#define MDC_VOL_DELIV_ENFL_TOTAL	21852	/*	*/
#define MDC_VOL_DELIV_HALOTH_CASE	21856	/*	*/
#define MDC_VOL_DELIV_HALOTH_LIQUID_CASE	21860	/*	*/
#define MDC_VOL_DELIV_HALOTH_LIQUID_TOTAL	21864	/*	*/
#define MDC_VOL_DELIV_HALOTH_TOTAL	21868	/*	*/
#define MDC_VOL_DELIV_ISOFL_CASE	21872	/*	*/

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#define MDC_VOL_DELIV_ISOFL_LIQUID_CASE	21876	/*	*/
#define MDC_VOL_DELIV_ISOFL_LIQUID_TOTAL	21880	/*	*/
#define MDC_VOL_DELIV_ISOFL_TOTAL	21884	/*	*/
#define MDC_VOL_DELIV_N2O_CASE	21888	/*	*/
#define MDC_VOL_DELIV_N2O_TOTAL	21892	/*	*/
#define MDC_PRESS_N2O_SUPPLY	21896	/*	*/
#define MDC_PRESS_N2O_CYL	21900	/*	*/
#define MDC_VOL_DELIV_SEVOFL_CASE	21904	/*	*/
#define MDC_VOL_DELIV_SEVOFL_LIQUID_CASE	21908	/*	*/
#define MDC_VOL_DELIV_SEVOFL_LIQUID_TOTAL	21912	/*	*/
#define MDC_VOL_DELIV_SEVOFL_TOTAL	21916	/*	*/
#define MDC_CONC_AWAY_AR	21920	/*	*/
#define MDC_CONC_AWAY_AR_ET	21924	/*	*/
#define MDC_CONC_AWAY_AR_EXP	21928	/*	*/
#define MDC_CONC_AWAY_AR_INSP	21932	/*	*/
#define MDC_CONC_GASDLV_AR	21936	/*	*/
#define MDC_CONC_GASDLV_AR_EXP	21940	/*	*/
#define MDC_CONC_GASDLV_AR_INSP	21944	/*	*/
#define MDC_CONC_GASDLV_CO2	21948	/*	*/
#define MDC_CONC_GASDLV_CO2_EXP	21952	/*	*/
#define MDC_CONC_GASDLV_CO2_INSP	21956	/*	*/
#define MDC_VOL_DELIV_CO2_CASE	21960	/*	*/
#define MDC_VOL_DELIV_CO2_TOTAL	21964	/*	*/
#define MDC_CONC_AWAY_HE	21968	/*	*/
#define MDC_CONC_AWAY_HE_ET	21972	/*	*/
#define MDC_CONC_AWAY_HE_EXP	21976	/*	*/
#define MDC_CONC_AWAY_HE_INSP	21980	/*	*/
#define MDC_CONC_GASDLV_HE	21984	/*	*/
#define MDC_CONC_GASDLV_HE_EXP	21988	/*	*/
#define MDC_CONC_GASDLV_HE_INSP	21992	/*	*/
#define MDC_VOL_DELIV_HE_CASE	21996	/*	*/

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#define MDC_VOL_DELIV_HE_TOTAL	22000	/*	*/
#define MDC_CONC_AWAY_N2_EXP	22004	/*	*/
#define MDC_CONC_GASDLV_N2	22008	/*	*/
#define MDC_CONC_GASDLV_N2_EXP	22012	/*	*/
#define MDC_CONC_GASDLV_N2_INSP	22016	/*	*/
#define MDC_FLOW_N2O_FG	22020	/*	*/
#define MDC_CONC_AWAY_NO	22024	/*	*/
#define MDC_CONC_AWAY_NO_ET	22028	/*	*/
#define MDC_CONC_AWAY_NO_EXP	22032	/*	*/
#define MDC_CONC_AWAY_NO_INSP	22036	/*	*/
#define MDC_CONC_GASDLV_NO	22040	/*	*/
#define MDC_CONC_GASDLV_NO_EXP	22044	/*	*/
#define MDC_CONC_GASDLV_NO_INSP	22048	/*	*/
#define MDC_VOL_DELIV_NO_CASE	22052	/*	*/
#define MDC_VOL_DELIV_NO_TOTAL	22056	/*	*/
#define MDC_CONC_AWAY_O2_EXP	22060	/*	*/
#define MDC_CONC_GASDLV_O2	22064	/*	*/
#define MDC_CONC_GASDLV_O2_EXP	22068	/*	*/
#define MDC_CONC_GASDLV_O2_INSP	22072	/*	*/
#define MDC_VOL_DELIV_O2_CASE	22076	/*	*/
#define MDC_VOL_DELIV_O2_TOTAL	22080	/*	*/
#define MDC_FLOW_O2_FG	22084	/*	*/
#define MDC_PRESS_O2_SUPPLY	22088	/*	*/
#define MDC_PRESS_O2_CYL	22092	/*	*/
#define MDC_PRESS_O2_CYL_2	22096	/*	*/
#define MDC_CONC_AWAY_XE	22100	/*	*/
#define MDC_CONC_AWAY_XE_ET	22104	/*	*/
#define MDC_CONC_AWAY_XE_EXP	22108	/*	*/
#define MDC_CONC_AWAY_XE_INSP	22112	/*	*/
#define MDC_CONC_GASDLV_XE	22116	/*	*/
#define MDC_CONC_GASDLV_XE_EXP	22120	/*	*/

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#define MDC_CONC_GASDLV_XE_INSP	22124	/*	*/
#define MDC_VOL_DELIV_XE_CASE	22128	/*	*/
#define MDC_VOL_DELIV_XE_TOTAL	22132	/*	*/
#define MDC_VOL_AWAY_TIDAL_PER_IBW	22136	/*	*/
#define MDC_VENT_VOL_TIDAL_TARGET_AUTO	22140	/*	*/
#define MDC_VENT_VOL_TIDAL_BACKUP	22144	/*	*/
#define MDC_VENT_VOL_TIDAL_INSP	22148	/*	*/
#define MDC_VENT_VOL_LEAK_PERCENT	22152	/*	*/
#define MDC_VOL_MINUTE_AWAY_IBW_REF	22156	/*	*/
#define MDC_VOL_MINUTE_AWAY_IBW_TARGET	22164	/*	*/
#define MDC_VENT_VOL_MINUTE_LUNG_ALV	22168	/*	*/
#define MDC_PRESS_GASTRIC	22172	/*	*/
#define MDC_PRESS_TRANSPULM	22176	/*	*/
#define MDC_PRESS_ETT_CUFF	22180	/*	*/
#define MDC_PRESS_ETT_CUFF_END_EXH	22184	/*	*/
#define MDC_VENT_PRESS_AWAY_RISETIME_CTLD_PERCENT	22188	/*	*/
#define MDC_VENT_PRESS_AWAY_RISETIME_SUPP_PERCENT	22192	/*	*/
#define MDC_VENT_FLOW_THRESH_END_INSP_PERCENT	22200	/*	*/
#define MDC_WORK_OF_BREATHING_PATIENT	22204	/*	*/
#define MDC_WORK_OF_BREATHING_PATIENT_RESISTIVE	22208	/*	*/
#define MDC_WORK_OF_BREATHING_PATIENT_ELASTIC	22212	/*	*/
#define MDC_WORK_OF_BREATHING_VENTILATOR	22216	/*	*/
#define MDC_WORK_OF_BREATHING_IMPOSED	22220	/*	*/
#define MDC_PRESS_TIME_PRODUCT_INSP	22224	/*	*/
#define MDC_VENT_TUBE_COMPENSATION_LEVEL	22228	/*	*/
#define MDC_VENT_TUBE_TYPE	22232	/*	*/
#define MDC_VENT_TUBE_SIZE	22236	/*	*/
#define MDC_RESP_TIME_CONSTANT_INSP	22240	/*	*/
#define MDC_RESP_TIME_CONSTANT_EXP	22244	/*	*/
#define MDC_CONC_AWAY_CO2_EXP_PLATEAU_ALV_SLOPE	22248	/*	*/
#define MDC_VOL_AWAY_TIDAL_CO2_EXP	22252	/*	*/

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#define MDC_VOL_AWAY_TIDAL_CO2_INSP	22256	/*	*/
#define MDC_VOL_AWAY_TIDAL_O2_EXP	22260	/*	*/
#define MDC_VOL_AWAY_TIDAL_O2_INSP	22264	/*	*/
#define MDC_NEB_TIME_PD_PER_CYCLE	22272	/*	*/
#define MDC_NEB_VOL_FLUID_PER_CYCLE	22276	/*	*/
#define MDC_NEB_CYCLES	22280	/*	*/
#define MDC_NEB_TIME_PD_PAUSE	22284	/*	*/
#define MDC_NEB_CYCLES_REMAIN	22288	/*	*/
#define MDC_NEB_TIME_PD_REMAIN_CURR_CYCLE	22292	/*	*/
#define MDC_NEB_TIME_PD_REMAIN_TOTAL	22296	/*	*/
#define MDC_NEB_TIME_PD_ELAPSED_CURR_CYCLE	22300	/*	*/
#define MDC_NEB_TIME_PD_ELAPSED_TOTAL	22304	/*	*/
#define MDC_NEB_VOL_FLUID_REMAIN_CURR_CYCLE	22308	/*	*/
#define MDC_NEB_VOL_FLUID_REMAIN_TOTAL	22312	/*	*/
#define MDC_NEB_VOL_FLUID_DELIV_CURR_CYCLE	22316	/*	*/
#define MDC_NEB_VOL_FLUID_DELIV_TOTAL	22320	/*	*/
#define MDC_VENT_FLOW_NEBULIZER	22324	/*	*/
#define MDC_VOL_AWAY_TIDAL_INSP_BTSD_AZC	22400	/*	*/
#define MDC_VOL_AWAY_TIDAL_INSP_BTSD_PS	22404	/*	*/
#define MDC_RATIO_EI	22408	/*	*/
#define MDC_TIME_PD_INSP_NORMALIZED	22412	/*	*/
#define MDC_TIME_PD_EXP_NORMALIZED	22416	/*	*/
#define MDC_TIME_PD_INSP_NORMALIZED_PS	22420	/*	*/
#define MDC_TIME_PD_EXP_NORMALIZED_PS	22424	/*	*/
#define MDC_TIME_PD_INSP_NORMALIZED_HF	22428	/*	*/
#define MDC_TIME_PD_EXP_NORMALIZED_HF	22432	/*	*/
#define MDC_TIME_PD_INSP_BTSD_PS	22436	/*	*/
#define MDC_VENT_TIME_PD_P100MS	22440	/*	*/
#define MDC_VENT_COMPL_SYSTEM	22444	/*	*/
#define MDC_VENT_COMPL_BREATHING_CIRCUIT	22448	/*	*/
#define MDC_VOL_AWAY_TIDAL_HF	22452	/*	*/

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#define MDC_VENT_RESP_RATE_HF	22456	/*	*/
#define MDC_PRESS_AWAY_MEAN_HF	22460	/*	*/
#define MDC_VENT_PRESS_AUX	22464	/*	*/
#define MDC_VENT_PRESS_AWAY_RISETIME_BTSD_SAZC	22468	/*	*/
#define MDC_VENT_FLOW_AWAY_RISETIME_CTLD	22472	/*	*/
#define MDC_VENT_FLOW_AWAY_RISETIME_CTLD_PERCENT	22476	/*	*/
#define MDC_VENT_VOL_TIDAL_DELIV	22480	/*	*/
#define MDC_VENT_VOL_TIDAL_LEAK_PI	22484	/*	*/
#define MDC_VOL_UPTAKE_DESFL_LIQUID_CUMULATIVE	22488	/*	*/
#define MDC_VOL_UPTAKE_ENFL_LIQUID_CUMULATIVE	22492	/*	*/
#define MDC_VOL_UPTAKE_HALOTH_LIQUID_CUMULATIVE	22496	/*	*/
#define MDC_VOL_UPTAKE_ISOFL_LIQUID_CUMULATIVE	22500	/*	*/
#define MDC_VOL_UPTAKE_SEVOFL_LIQUID_CUMULATIVE	22504	/*	*/
/* Block: NEURO			
Description Neurological (EEG, etc.)			*/
#define MDC_PRESS_CEREB_PERF	22532	/*	*/
#define MDC_PRESS_INTRA_CRAN	22536	/*	*/
#define MDC_PRESS_INTRA_CRAN_SYS	22537	/*	*/
#define MDC_PRESS_INTRA_CRAN_DIA	22538	/*	*/
#define MDC_PRESS_INTRA_CRAN_MEAN	22539	/*	*/
#define MDC_PRESS_INTRA_CRAN_EPIDURAL	22540	/*	*/
#define MDC_PRESS_INTRA_CRAN_EPIDURAL_SYS	22541	/*	*/
#define MDC_PRESS_INTRA_CRAN_EPIDURAL_DIA	22542	/*	*/
#define MDC_PRESS_INTRA_CRAN_EPIDURAL_MEAN	22543	/*	*/
#define MDC_PRESS_INTRA_CRAN_SUBDURAL	22544	/*	*/
#define MDC_PRESS_INTRA_CRAN_SUBDURAL_SYS	22545	/*	*/
#define MDC_PRESS_INTRA_CRAN_SUBDURAL_DIA	22546	/*	*/
#define MDC_PRESS_INTRA_CRAN_SUBDURAL_MEAN	22547	/*	*/
#define MDC_PRESS_INTRA_CRAN_TISS	22548	/*	*/
#define MDC_PRESS_INTRA_CRAN_TISS_SYS	22549	/*	*/

#define MDC_PRESS_INTRA_CRAN_TISS_DIA	22550	/*	*/
#define MDC_PRESS_INTRA_CRAN_TISS_MEAN	22551	/*	*/
#define MDC_PRESS_INTRA_CRAN_VENT	22552	/*	*/
#define MDC_PRESS_INTRA_CRAN_VENT_SYS	22553	/*	*/
#define MDC_PRESS_INTRA_CRAN_VENT_DIA	22554	/*	*/
#define MDC_PRESS_INTRA_CRAN_VENT_MEAN	22555	/*	*/
/* Block: NEUROLOGICAL	Partition: 2		
Description: Neurological			*/
#define MDC_EEG_SIGNAL_QUALITY_INDEX	22564	/*	*/
#define MDC_EMG_ELEC_POTL_MUSCL	22568	/*	*/
#define MDC_EEG_BISPECTRAL_INDEX	22572	/*	*/
#define MDC_EEG_ENTROPY_RESPONSE	22576	/*	*/
#define MDC_EEG_ENTROPY_STATE	22580	/*	*/
#define MDC_EEG_SNAP_INDEX	22584	/*	*/
#define MDC_EEG_PATIENT_STATE_INDEX	22588	/*	*/
#define MDC_SCORE_GLAS_COMA	22656	/*	*/
#define MDC_SCORE_SUBSC_SUM_GLAS_COMA	22657	/*	*/
#define MDC_SCORE_EYE_SUBSC_GLAS_COMA	22658	/*	*/
#define MDC_SCORE_MOTOR_SUBSC_GLAS_COMA	22659	/*	*/
#define MDC_SCORE_SUBSC_VERBAL_GLAS_COMA	22660	/*	*/
#define MDC_EEG_SCORE_SLEEPSTG	22664	/*	*/
#define MDC_SCORE_AVPU	22668	/*	*/
#define MDC_CIRCUM_HEAD	22784	/*	*/
#define MDC_COMPL_INTRA_CRAN	22788	/*	*/
#define MDC_DIAM_PUPIL	22792	/*	*/
#define MDC_DIAM_PUPIL_LEFT	22796	/*	*/
#define MDC_DIAM_PUPIL_RIGHT	22800	/*	*/
#define MDC_TIME_PD_BERA_INTERPK_WV_1_TO_3	22804	/*	*/
#define MDC_TIME_PD_BERA_INTERPK_WV_1_TO_5	22808	/*	*/
#define MDC_TIME_PD_BERA_INTERPK_WV_3_TO_5	22812	/*	*/

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#define MDC_TIME_PD_PUPIL_REACT	22816	/*	*/
#define MDC_TIME_PD_PUPIL_REACT_LEFT	22820	/*	*/
#define MDC_TIME_PD_PUPIL_REACT_RIGHT	22824	/*	*/
#define MDC_EEG_ELEC_POTL_CRTX	22828	/*	*/
#define MDC_EOG_ELEC_POTL_EYE	22832	/*	*/
#define MDC_ENG_ELEC_POTL_EYE_NYSTAG	22836	/*	*/
#define MDC_ERG_ELEC_POTL_RETINA	22840	/*	*/
#define MDC_EMG_ELEC_POTL_MUSC	22844	/*	*/
#define MDC_ELEC_EVOK_POTL_BERA_AMPL_WV_1	22848	/*	*/
#define MDC_ELEC_EVOK_POTL_BERA_AMPL_WV_2	22852	/*	*/
#define MDC_ELEC_POTL_BERA_AMPL_WV_3	22856	/*	*/
#define MDC_ELEC_POTL_BERA_AMPL_WV_4	22860	/*	*/
#define MDC_ELEC_POTL_BERA_AMPL_WV_5	22864	/*	*/
#define MDC_ELEC_EVOK_POTL_CRTX	22868	/*	*/
#define MDC_ELEC_EVOK_POTL_BSTEM_ACOUSTIC	22872	/*	*/
#define MDC_ELEC_EVOK_POTL_CRTX_ACOUSTIC	22876	/*	*/
#define MDC_ELEC_EVOK_POTL_CRTX_MAG	22880	/*	*/
#define MDC_ELEC_EVOK_POTL_CRTX_MOTOR	22884	/*	*/
#define MDC_ELEC_EVOK_POTL_CRTX_SOMATOSENS	22888	/*	*/
#define MDC_ELEC_EVOK_POTL_CRTX_VIS	22892	/*	*/
#define MDC_ELEC_POTL_CRTX_INSKULL	22896	/*	*/
#define MDC_ELEC_POTL_CRTX_AMPL_P100	22900	/*	*/
#define MDC_FLOW_BLD_CEREB	22904	/*	*/
#define MDC_EEG_FREQ_PWR_SPEC_CRTX_DOM_MEAN	22908	/*	*/
#define MDC_EEG_FREQ_PWR_SPEC_CRTX_MEDIAN	22912	/*	*/
#define MDC_EEG_FREQ_PWR_SPEC_CRTX_PEAK	22916	/*	*/
#define MDC_EEG_FREQ_PWR_SPEC_CRTX_SPECTRAL_EDGE	22920	/*	*/
#define MDC_LATENCY_BSTEM_EVOK_POTL_WV_1	22924	/*	*/
#define MDC_LATENCY_BSTEM_EVOK_POTL_WV_2	22928	/*	*/
#define MDC_LATENCY_BSTEM_EVOK_POTL_WV_3	22932	/*	*/
#define MDC_LATENCY_BSTEM_EVOK_POTL_WV_4	22936	/*	*/

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#define MDC_LATENCY_BSTEM_EVOK_POTL_WV_5	22940	/*	*/
#define MDC_LATENCY_VEP_WV_P100	22944	/*	*/
#define MDC_MEG_MAGFLD	22948	/*	*/
#define MDC_EEG_NUM_AROUS	22952	/*	*/
#define MDC_EEG_NUM_SPK	22956	/*	*/
#define MDC_EEG_NUM_SEIZ	22960	/*	*/
#define MDC_EEG_PWR_SPEC_CSA	22964	/*	*/
#define MDC_EEG_PWR_SPEC_TOT	22968	/*	*/
#define MDC_EEG_PWR_SPEC_ALPHA_ABS	22972	/*	*/
#define MDC_EEG_PWR_SPEC_BETA_ABS	22976	/*	*/
#define MDC_EEG_PWR_SPEC_DELTA_ABS	22980	/*	*/
#define MDC_EEG_PWR_SPEC_THETA_ABS	22984	/*	*/
#define MDC_EEG_PWR_SPEC_SIGMA_ABS	22988	/*	*/
#define MDC_EEG_PWR_SPEC_GAMMA_ABS	22992	/*	*/
#define MDC_EEG_PWR_SPEC_ALPHA_REL	22996	/*	*/
#define MDC_EEG_PWR_SPEC_BETA_REL	23000	/*	*/
#define MDC_EEG_PWR_SPEC_DELTA_REL	23004	/*	*/
#define MDC_EEG_PWR_SPEC_THETA_REL	23008	/*	*/
#define MDC_EEG_PWR_SPEC_SIGMA_REL	23012	/*	*/
#define MDC_EEG_PWR_SPEC_GAMMA_REL	23016	/*	*/
/* Block: NEUROLOGICAL Partition: 2			
Description: Neurological patterns			*/
#define MDC_EEG_BKGD_CRTX	23560	/*	*/
#define MDC_EEG_BKGD_CRTX_ACTIV_BETA	23568	/*	*/
#define MDC_EEG_BKGD_CRTX_ACTIV_SIGMA	23576	/*	*/
#define MDC_EEG_BKGD_CRTX_ACTIV_GAMMA	23584	/*	*/
#define MDC_EEG_BKGD_CRTX_ACTIV_ALPHA	23592	/*	*/
#define MDC_EEG_BKGD_CRTX_ACTIV_MU	23600	/*	*/
#define MDC_EEG_BKGD_CRTX_ACTIV_THETA	23608	/*	*/
#define MDC_EEG_BKGD_CRTX_ACTIV_THETA_BISYNC	23616	/*	*/

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#define MDC_EEG_BKGD_CRTX_ACTIV_DELTA	23624	/*	*/
#define MDC_EEG_BKGD_CRTX_ACTIV_DELTA_BISYNC	23632	/*	*/
#define MDC_EEG_BKGD_CRTX_ACTIV_ARRHY_DELTA	23640	/*	*/
#define MDC_EEG_BKGD_CRTX_TRANS_FUSED_SLOW	23648	/*	*/
#define MDC_EEG_CLS_CRTX_SLP_STG	23656	/*	*/
#define MDC_EEG_CLS_CRTX_UNSTGABLE	23664	/*	*/
#define MDC_EEG_CLS_CRTX_WAKE_STG	23672	/*	*/
#define MDC_EEG_CLS_CRTX_SLP_REM	23680	/*	*/
#define MDC_EEG_CLS_CRTX_SLP_REM_SPINDLE	23688	/*	*/
#define MDC_EEG_CLS_CRTX_SLP_STG_I	23696	/*	*/
#define MDC_EEG_CLS_CRTX_SLP_STG_II	23704	/*	*/
#define MDC_EEG_CLS_CRTX_SLP_STG_III	23712	/*	*/
#define MDC_EEG_CLS_CRTX_SLP_STG_IV	23720	/*	*/
#define MDC_EEG_CLS_CRTX_SLP_STG_ALPHA_DELTA	23728	/*	*/
#define MDC_EEG_CLS_CRTX_SLP_ACTIV	23736	/*	*/
#define MDC_EEG_CLS_CRTX_SLP_SPINDLE	23744	/*	*/
#define MDC_EEG_CLS_CRTX_WV_V	23752	/*	*/
#define MDC_EEG_CLS_CRTX_WV_F	23760	/*	*/
#define MDC_EEG_CLS_CRTX_CMPLX_K	23768	/*	*/
#define MDC_EEG_CLS_CRTX_POSTOCCIP_TRANS_SHARP	23776	/*	*/
#define MDC_EEG_CLS_CRTX_WV_SAW	23784	/*	*/
#define MDC_EEG_CLS_CRTX_SLP_STG_SHIFT	23792	/*	*/
#define MDC_EEG_CLS_CRTX_AROUSAL	23800	/*	*/
#define MDC_EEG_CLS_CRTX_AWAKENING	23808	/*	*/
#define MDC_EEG_PAROX_CRTX_DISCHG_EPILEP	23816	/*	*/
#define MDC_EEG_PAROX_CRTX_TRANS_SHARP	23824	/*	*/
#define MDC_EEG_PAROX_CRTX_WICKET	23832	/*	*/
#define MDC_EEG_PAROX_CRTX_SPK_SHARP_SMALL	23840	/*	*/
#define MDC_EEG_PAROX_CRTX_WV_ZETA	23848	/*	*/
#define MDC_EEG_PAROX_CRTX_WV_TRIPHAS	23856	/*	*/
#define MDC_EEG_PAROX_CRTX_SPK_AND_WV_PHANTOM	23864	/*	*/

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#define MDC_EEG_PAROX_CRTX_BURST_POS_14_AND_6HZ	23872	/*	*/
#define MDC_EEG_PAROX_CRTX_WV_LAMBDA	23880	/*	*/
#define MDC_EEG_PAROX_CRTX_DISCHG	23888	/*	*/
#define MDC_EEG_PAROX_CRTX_WV_SHARP	23896	/*	*/
#define MDC_EEG_PAROX_CRTX_SPK	23904	/*	*/
#define MDC_EEG_PAROX_CRTX_SPK_CNT	23905	/*	*/
#define MDC_EEG_PAROX_CRTX_SPK_MULT	23912	/*	*/
#define MDC_EEG_PAROX_CRTX_SPK_AND_WV_CMPLX	23920	/*	*/
#define MDC_EEG_PAROX_CRTX_SPK_AND_WV_CMPLX_ATYP	23928	/*	*/
#define MDC_EEG_PAROX_CRTX_WV_CMPLX_SHARP_SLOW	23936	/*	*/
#define MDC_EEG_PAROX_CRTX_WV_RHYTHMIC_MULT_SHARP	23944	/*	*/
#define MDC_EEG_PAROX_CRTX_BURST_SUPPRN	23952	/*	*/
#define MDC_EEG_PAROX_CRTX_SPK_MULT_AND_ASYNC_SLOW	23960	/*	*/
#define MDC_EEG_PAROX_CRTX_CEREB_ACTIV_PERI	23968	/*	*/
#define MDC_EEG_PAROX_CRTX_WV_TRIPHAS_MULT_QUASIPERI	23976	/*	*/
#define MDC_EEG_PAROX_CRTX_WV_TRIPHAS_MULT_PERI	23984	/*	*/
#define MDC_EEG_PAROX_CRTX_DISCHG_EPILEP_MULT_PERI	23992	/*	*/
#define MDC_EEG_PAROX_CRTX_CMPLX_MULT_PERI	24000	/*	*/
#define MDC_EEG_PAROX_CRTX_WV_MULT_SHARP_QUASIPERI	24008	/*	*/
#define MDC_EEG_PAROX_CRTX_WV_MULT_SHARP_PERI	24016	/*	*/
#define MDC_EEG_PAROX_CRTX_SUPPRN_MULT_PERI	24024	/*	*/
#define MDC_EEG_PAROX_CRTX_BURST_W_SUPPRN_MULT_PERI	24032	/*	*/
#define MDC_EEG_EXT_CRTX_EYE_MVMT_MULT	24040	/*	*/
#define MDC_EEG_EXT_CRTX_EYE_BLINK	24048	/*	*/
#define MDC_EEG_EXT_CRTX_EYE_MVMT_NYSTAG_MULT	24056	/*	*/
#define MDC_EEG_EXT_CRTX_EYE_MVMT_MULT_SLOW	24064	/*	*/
#define MDC_EEG_EXT_CRTX_EYE_MVMT_MULT_FAST_IRREG	24072	/*	*/
#define MDC_EEG_EXT_CRTX_EYE_MVMT_MULT_RAPID	24080	/*	*/
#define MDC_EEG_EXT_CRTX_EYE_ACTIV_PHOTIC_DRV	24088	/*	*/
#define MDC_EEG_EXT_CRTX_EYE_ACTIV_PHOTOMYOGENIC	24096	/*	*/
#define MDC_EEG_EXT_CRTX_EYE_ACTIV_PHOTOPARADOX	24104	/*	*/

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#define MDC_EEG_EXT_CRTX_EYE_ERG	24112	/*	*/
#define MDC_EEG_EXT_ACTIV_MYOGENIC	24120	/*	*/
#define MDC_EEG_EXT_PALATAL_MYOCLONUS	24128	/*	*/
#define MDC_EEG_EXT_MYOKYMIA	24136	/*	*/
#define MDC_EEG_EXT_FACIA_SYNKINESIS	24144	/*	*/
#define MDC_EEG_EXT_HEMIFACIAL_SPASM	24152	/*	*/
#define MDC_EEG_EXT_EXTRA_OCUL_MUSCL_ACTIV	24160	/*	*/
#define MDC_EEG_EXT_ACTIV_TREMOR	24168	/*	*/
#define MDC_EEG_EXT_ACTIV_MYOCLONIC	24176	/*	*/
#define MDC_EEG_EXT_SLP_MVMT_MULT_PERI	24184	/*	*/
#define MDC_EEG_EXT_SLP_MVMT_W_AROUS_MULT_PERI	24192	/*	*/
#define MDC_EEG_ARTIF	24200	/*	*/
#define MDC_EEG_ARTIF_ELECTRODE_INSTRUM	24208	/*	*/
#define MDC_EEG_ARTIF_MVMT	24216	/*	*/
#define MDC_EEG_ARTIF_SWEAT_OR_GALV	24224	/*	*/
#define MDC_EEG_ARTIF_PULSE	24232	/*	*/
#define MDC_EEG_ARTIF_EKG	24240	/*	*/
#define MDC_EEG_ARTIF_RESP	24248	/*	*/
#define MDC_EEG_ARTIF_GLOSSOKINETIC	24256	/*	*/
#define MDC_EEG_ARTIF_SWALLOW_ETC	24264	/*	*/
#define MDC_EEG_ARTIF_EXT_INTERF	24272	/*	*/
#define MDC_EOG_EYE_MVMT_BLINK	24280	/*	*/
#define MDC_EOG_EYE_MVMT_SACCADIC	24288	/*	*/
#define MDC_EOG_EYE_MVMT_RAPID	24296	/*	*/
#define MDC_EOG_EYE_MVMT_SLOW	24304	/*	*/
#define MDC_EOG_EYE_MVMT_OTHER	24312	/*	*/
#define MDC_EOG_EYE_MVMT_CLOSING	24320	/*	*/
#define MDC_EOG_EYE_MVMT_OPENING	24328	/*	*/
#define MDC_EMG_PAROX_MUSCL	24336	/*	*/
#define MDC_EMG_PAROX_MUSCL_VOL_CTL	24344	/*	*/
#define MDC_EMG_PAROX_MUSCL_MOTOR_UNIT_POTL	24352	/*	*/

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#define MDC_EMG_PAROX_MUSCL_DOUBLET	24360	/*	*/
#define MDC_EMG_PAROX_MUSCL_TRIPLET	24368	/*	*/
#define MDC_EMG_PAROX_MUSCL_MULTIPLET	24376	/*	*/
#define MDC_EMG_PAROX_MUSCL_ACTIV_INSERTIONAL	24384	/*	*/
#define MDC_EMG_PAROX_MUSCL_NOISE_ENDPLATE	24392	/*	*/
#define MDC_EMG_PAROX_MUSCL_SPK_ENDPLATE	24400	/*	*/
#define MDC_EMG_PAROX_MUSCL_DISCHG_ITER	24408	/*	*/
#define MDC_EMG_PAROX_MUSCL_FIBRIL_POTL	24416	/*	*/
#define MDC_EMG_PAROX_MUSCL_WV_SHARP_POS	24424	/*	*/
#define MDC_EMG_PAROX_MUSCL_FASCIC_POTL	24432	/*	*/
#define MDC_EMG_PAROX_MUSCL_DISCHG_MYOTONIC	24440	/*	*/
#define MDC_EMG_PAROX_MUSCL_DISCHG_MULT_CMPLX_REPET	24448	/*	*/
#define MDC_EMG_PAROX_MUSCL_DISCHG_MYOKEMIC_MULT	24456	/*	*/
#define MDC_EMG_PAROX_MUSCL_DISCHG_CRAMP_MULT	24464	/*	*/
#define MDC_EMG_PAROX_MUSCL_AFTER_DISCHG_MULT	24472	/*	*/
#define MDC_EMG_PAROX_NERV_MOTOR	24480	/*	*/
#define MDC_EMG_PAROX_NERV_MOTOR_WV_F	24488	/*	*/
#define MDC_EMG_PAROX_NERV_MOTOR_REFLEX_H	24496	/*	*/
#define MDC_EMG_PAROX_NERV_MOTOR_REFLEX_C	24504	/*	*/
#define MDC_EMG_PAROX_NERV_MOTOR_SILENT_PERIOD	24512	/*	*/
#define MDC_EMG_PAROX_NERV_MOTOR_AXON_REFLEX	24520	/*	*/
#define MDC_EMG_PAROX_NERV_SENS	24528	/*	*/
#define MDC_EMG_PAROX_NERV_SENS_SNAP	24536	/*	*/
#define MDC_EMG_PAROX_NERV_SENS_R1	24544	/*	*/
#define MDC_EMG_PAROX_NERV_SENS_R2	24552	/*	*/
#define MDC_EMG_PAROX_NERV_SENS_R2_CONTRALAT	24560	/*	*/
#define MDC_EVOK_POTL_CRTX_BAEP	24568	/*	*/
#define MDC_EVOK_POTL_CRTX_BAEP_I_PK	24576	/*	*/
#define MDC_EVOK_POTL_CRTX_BAEP_II_PK	24584	/*	*/
#define MDC_EVOK_POTL_CRTX_BAEP_III_PK	24592	/*	*/
#define MDC_EVOK_POTL_CRTX_BAEP_IV_PK	24600	/*	*/

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#define MDC_EVOK_POTL_CRTX_BAEP_V_PK	24608	/*	*/
#define MDC_EVOK_POTL_CRTX_BAEP_VI_PK	24616	/*	*/
#define MDC_EVOK_POTL_CRTX_MLAEP	24624	/*	*/
#define MDC_EVOK_POTL_CRTX_MLAEP_N0_PK	24632	/*	*/
#define MDC_EVOK_POTL_CRTX_MLAEP_P0_PK	24640	/*	*/
#define MDC_EVOK_POTL_CRTX_MLAEP_NA_PK	24648	/*	*/
#define MDC_EVOK_POTL_CRTX_MLAEP_PA_PK	24656	/*	*/
#define MDC_EVOK_POTL_CRTX_MLAEP_NB_PK	24664	/*	*/
#define MDC_EVOK_POTL_CRTX_MLAEP_PB_PK	24672	/*	*/
#define MDC_EVOK_POTL_CRTX_LLAEP	24680	/*	*/
#define MDC_EVOK_POTL_CRTX_LLAEP_NB_PK	24688	/*	*/
#define MDC_EVOK_POTL_CRTX_LLAEP_P1_PK	24696	/*	*/
#define MDC_EVOK_POTL_CRTX_LLAEP_N1_PK	24704	/*	*/
#define MDC_EVOK_POTL_CRTX_LLAEP_P2_PK	24712	/*	*/
#define MDC_EVOK_POTL_CRTX_LLAEP_N2_PK	24720	/*	*/
#define MDC_EVOK_POTL_CRTX_LLAEP_P300_PK	24728	/*	*/
#define MDC_EVOK_POTL_EAR_COCHL	24736	/*	*/
#define MDC_EVOK_POTL_EAR_COCHL_MICROPHONIC	24744	/*	*/
#define MDC_EVOK_POTL_EAR_COCHL_SUM_POTL	24752	/*	*/
#define MDC_EVOK_POTL_EAR_COCHL_NAP	24760	/*	*/
#define MDC_EVOK_POTL_EAR_COCHL_MICRO_SUM_POTL	24768	/*	*/
#define MDC_EVOK_POTL_EAR_COCHL_SUM_POTL_NAP	24776	/*	*/
#define MDC_EVOK_POTL_EAR_COCHL_MICRO_NAP	24784	/*	*/
#define MDC_EVOK_POTL_EYE_RETINA	24792	/*	*/
#define MDC_EVOK_POTL_EYE_RETINA_RECEP_POTL_EARLY	24800	/*	*/
#define MDC_EVOK_POTL_EYE_RETINA_WV_A	24808	/*	*/
#define MDC_EVOK_POTL_EYE_RETINA_WV_B	24816	/*	*/
#define MDC_EVOK_POTL_EYE_RETINA_WV_C	24824	/*	*/
#define MDC_EVOK_POTL_CRTX_PATT_VEP	24832	/*	*/
#define MDC_EVOK_POTL_CRTX_PATT_VEP_P50_PK	24840	/*	*/
#define MDC_EVOK_POTL_CRTX_PATT_VEP_N75_PK	24848	/*	*/

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#define MDC_EVOK_POTL_CRTX_PATT_VEP_P100_PK	24856	/*	*/
#define MDC_EVOK_POTL_CRTX_PATT_VEP_P145_PK	24864	/*	*/
#define MDC_EVOK_POTL_CRTX_PATT_VEP_P175_PK	24872	/*	*/
#define MDC_EVOK_POTL_CRTX_PATT_VEP_P300_PK	24880	/*	*/
#define MDC_EVOK_POTL_CRTX_DIFFUSE_LT_VEP	24888	/*	*/
#define MDC_EVOK_POTL_CRTX_DIFFUSE_LT_VEP_N1_PK	24896	/*	*/
#define MDC_EVOK_POTL_CRTX_DIFFUSE_LT_VEP_P1_PK	24904	/*	*/
#define MDC_EVOK_POTL_CRTX_DIFFUSE_LT_VEP_N2_PK	24912	/*	*/
#define MDC_EVOK_POTL_CRTX_DIFFUSE_LT_VEP_P2_PK	24920	/*	*/
#define MDC_EVOK_POTL_CRTX_DIFFUSE_LT_VEP_N3_PK	24928	/*	*/
#define MDC_EVOK_POTL_CRTX_DIFFUSE_LT_VEP_P3_PK	24936	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP	24944	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP_N9_PK	24952	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP_N11_PK	24960	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP_N13_PK	24968	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP_N20_PK	24976	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP_P30_PK	24984	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_MED_ULN_SEP_P300_PK	24992	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_PER_SEP	25000	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_PER_SEP_LUMBAR_PK	25008	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_PER_SEP_LO_THOR_PK	25016	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_PER_SEP_HI_THOR_PK	25024	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_PER_SEP_P27_PK	25032	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_PER_SEP_N35_PK	25040	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_PER_SEP_P300_PK	25048	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_TIB_SEP	25056	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_TIB_SEP_POPLIT_PK	25064	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_TIB_SEP_LUMBAR_PK	25072	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_TIB_SEP_THOR_PK	25080	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_TIB_SEP_P37_PK	25088	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_TIB_SEP_N45_PK	25096	/*	*/

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#define MDC_EVOK_POTL_NERV_CRTX_TIB_SEP_P300_PK	25104	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_OTH_SEP	25112	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_OTH_SEP_I_PK	25120	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_OTH_SEP_II_PK	25128	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_OTH_SEP_III_PK	25136	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_OTH_SEP_IV_PK	25144	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_OTH_SEP_V_PK	25152	/*	*/
#define MDC_EVOK_POTL_NERV_CRTX_OTH_SEP_P300_PK	25160	/*	*/
#define MDC_EEG_PAROX_CRTX_BURST	25168	/*	*/
#define MDC_EEG_PAROX_CRTX_BURST_CNT	25169	/*	*/
#define MDC_EEG_PAROX_CRTX_BURST_RATE	25170	/*	*/

/* Block: FLUID DELIV

Partition: 2

Description Fluid Delivery

*/

#define MDC_POSN_SYRING_PIST	26628	/*	*/
#define MDC_FLOW_FLUID_DRAIN_INSTANT	26632	/*	*/
#define MDC_FLOW_URINE_INSTANT	26636	/*	*/
#define MDC_FLOW_FLUID_DRAIN_PREV_HR	26640	/*	*/
#define MDC_FLOW_URINE_PREV_HR	26644	/*	*/
#define MDC_FLOW_FLUID_PREV_HR	26648	/*	*/
#define MDC_VOL_FLUID_BAL_PD	26652	/*	*/
#define MDC_VOL_FLUID_DRAIN	26656	/*	*/
#define MDC_VOL_URINE_BAL_PD	26660	/*	*/
#define MDC_VOL_FLUID_COL	26664	/*	*/
#define MDC_VOL_FLUID_DRAIN_COL	26668	/*	*/
#define MDC_VOL_URINE_COL	26672	/*	*/
#define MDC_VOL_DIFF_BLD_BAL_PD	26676	/*	*/
#define MDC_VOL_DIFF_BLD_BAL_PD_CRYST	26680	/*	*/
#define MDC_VOL_DIFF_FLUID_BAL_PD_TOT	26684	/*	*/

/* Block: PUMP DATA

Partition: 2

Description Pump data			*/
#define MDC_CONC_DRUG	26688	/*	*/
#define MDC_TIME_PD_FLUID_STANDBY_REMAIN	26692	/*	*/
#define MDC_TIME_PD_FLUID_BOLUS_LOCKOUT	26696	/*	*/
#define MDC_TIME_PD_FLUID_DELIV_SINCE_START	26700	/*	*/
#define MDC_TIME_PD_FLUID_STANDBY	26704	/*	*/
#define MDC_FLOW_FLUID_BOLUS	26708	/*	*/
#define MDC_FLOW_FLUID_PUMP	26712	/*	*/
#define MDC_RATE_INFUS	26712	/*	*/
#define MDC_FLOW_FLUID	26716	/*	*/
#define MDC_FLOW_FLUID_MAX	26717	/*	*/
#define MDC_FLOW_FLUID_DELIV	26720	/*	*/
#define MDC_FLOW_FLUID_DELIV_MIN	26722	/*	*/
#define MDC_FLOW_FLUID_PUMP_PROP	26724	/*	*/
#define MDC_FLOW_BOLUS_DRUG_DELIV	26728	/*	*/
#define MDC_FLOW_DRUG_DELIV	26732	/*	*/
#define MDC_FLOW_FLUID_RANGE	26736	/*	*/
#define MDC_FLOW_FLUID_RES	26740	/*	*/
#define MDC_DOSE_DRUG_BOLUS	26744	/*	*/
#define MDC_MASS_DRUG_DELIV	26748	/*	*/
#define MDC_MASS_DOSE_LOADING	26752	/*	*/
#define MDC_RATE_PCA_GOOD_DMD	26756	/*	*/
#define MDC_RATE_PCA_REQ	26760	/*	*/
#define MDC_PRESS_FLUID_MEAS	26764	/*	*/
#define MDC_PRESS_FLUID_CALC	26768	/*	*/
#define MDC_VOL_FLUID_BOLUS	26788	/*	*/
#define MDC_VOL_FLUID_DELIV	26792	/*	*/
#define MDC_VOL_FLUID_DILUENT	26796	/*	*/
#define MDC_VOL_FLUID_TBI_REMAIN	26800	/*	*/
#define MDC_VOL_FLUID_RES	26804	/*	*/
#define MDC_VOL_SYRINGE	26808	/*	*/

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#define MDC_VOL_FLUID_TBI	26812	/*	*/
#define MDC_VOL_FLUID_DELIV_TOTAL_SET	26816	/*	*/
#define MDC_FLOW_FLUID_INSTANT	26820	/*	*/
#define MDC_PRESS_FLUID_ACT	26824	/*	*/
#define MDC_TIME_PD_BOLUS_DELIV	26828	/*	*/
#define MDC_TIME_PD_DELAY	26832	/*	*/
#define MDC_TIME_PD_DELAY_REMAIN	26836	/*	*/
#define MDC_TIME_PD_DELAY_INTERDOSES	26840	/*	*/
#define MDC_TIME_PD_REMAIN	26844	/*	*/
#define MDC_FLOW_KVO	26848	/*	*/
#define MDC_RATE_DOSE	26852	/*	*/
#define MDC_RATE_DOSE_BSA	26856	/*	*/
#define MDC_NUM_DOSE_CURR	26860	/*	*/
#define MDC_NUM_DOSE_REMAIN	26864	/*	*/
#define MDC_RATE_DOSE_GRANT_PER_HR	26868	/*	*/
#define MDC_RATE_DOSE_REQ_PER_HR	26872	/*	*/
#define MDC_VOL_INFUS_ACTUAL_TOTAL	26876	/*	*/
#define MDC_RATE_INFUS_PRI	26880	/*	*/
#define MDC_VOL_FLUID_DELIV_PRI	26884	/*	*/
#define MDC_VOL_FLUID_TBI_REMAIN_PRI	26888	/*	*/
#define MDC_VOL_FLUID_TBI_PRI	26892	/*	*/
#define MDC_RATE_INFUS_SEC	26896	/*	*/
#define MDC_VOL_FLUID_DELIV_SEC	26900	/*	*/
#define MDC_VOL_FLUID_TBI_REMAIN_SEC	26904	/*	*/
#define MDC_VOL_FLUID_TBI_SEC	26908	/*	*/

/* Block: BLD CHEM

Partition: 2

Description Blood/Fluid Chemistry */

#define MDC_CONC_PH_ART	28676	/*	*/
#define MDC_CONC_H_ION_ART	29068	/*	*/
#define MDC_CONC_PCO2_ART	28680	/*	*/

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#define MDC_CONC_PO2_ART	28684	/*	*/
#define MDC_CONC_HCO3_ART	28688	/*	*/
#define MDC_CONC_HB_ART	28692	/*	*/
#define MDC_CONC_HB_O2_ART	28696	/*	*/
#define MDC_CONC_HB_MET_ART	28700	/*	*/
#define MDC_CONC_HB_CO_ART	28704	/*	*/
#define MDC_CONC_NA_ART	28708	/*	*/
#define MDC_CONC_K_ART	28712	/*	*/
#define MDC_CONC_GLU_ART	28716	/*	*/
#define MDC_CONC_CA_ART	28720	/*	*/
#define MDC_CONC_PH_VEN	28724	/*	*/
#define MDC_CONC_H_ION_VEN	29072	/*	*/
#define MDC_CONC_PCO2_VEN	28728	/*	*/
#define MDC_CONC_PO2_VEN	28732	/*	*/
#define MDC_CONC_HCO3_VEN	28736	/*	*/
#define MDC_CONC_HB_VEN	28740	/*	*/
#define MDC_CONC_HB_O2_VEN	28744	/*	*/
#define MDC_CONC_HB_MET_VEN	28748	/*	*/
#define MDC_CONC_HB_CO_VEN	28752	/*	*/
#define MDC_CONC_NA_VEN	28756	/*	*/
#define MDC_CONC_K_VEN	28760	/*	*/
#define MDC_CONC_GLU_VEN	28764	/*	*/
#define MDC_CONC_CA_VEN	28768	/*	*/
#define MDC_CONC_PH_URINE	28772	/*	*/
#define MDC_CONC_H_ION_URINE	29076	/*	*/
#define MDC_CONC_HCO3_URINE	28776	/*	*/
#define MDC_CONC_NA_URINE	28780	/*	*/
#define MDC_CONC_K_URINE	28784	/*	*/
#define MDC_CONC_GLU_URINE	28788	/*	*/
#define MDC_CONC_CA_URINE	28792	/*	*/
#define MDC_CONC_UREA_URINE	28796	/*	*/

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#define MDC_CONC_PH_ASPIR	28800	/*	*/
#define MDC_CONC_H_ION_ASPIR	29080	/*	*/
#define MDC_CONC_HCO3_ASPIR	28804	/*	*/
#define MDC_CONC_NA_ASPIR	28808	/*	*/
#define MDC_CONC_K_ASPIR	28812	/*	*/
#define MDC_CONC_GLU_ASPIR	28816	/*	*/
#define MDC_CONC_CA_ASPIR	28820	/*	*/
#define MDC_CONC_PH_DRAIN	28824	/*	*/
#define MDC_CONC_H_ION_DRAIN	29084	/*	*/
#define MDC_CONC_HCO3_DRAIN	28828	/*	*/
#define MDC_CONC_NA_DRAIN	28832	/*	*/
#define MDC_CONC_K_DRAIN	28836	/*	*/
#define MDC_CONC_GLU_DRAIN	28840	/*	*/
#define MDC_CONC_CA_DRAIN	28844	/*	*/
#define MDC_CONC_PH_PLASMA	28848	/*	*/
#define MDC_CONC_PCO2_PLASMA	28852	/*	*/
#define MDC_CONC_HCO3_PLASMA	28856	/*	*/
#define MDC_CONC_NA_PLASMA	28860	/*	*/
#define MDC_CONC_K_PLASMA	28864	/*	*/
#define MDC_CONC_GLU_PLASMA	28868	/*	*/
#define MDC_CONC_CA_PLASMA	28872	/*	*/
#define MDC_CONC_PH_SERUM	28876	/*	*/
#define MDC_CONC_H_ION_SERUM	29092	/*	*/
#define MDC_CONC_PCO2_SERUM	28880	/*	*/
#define MDC_CONC_HCO3_SERUM	28884	/*	*/
#define MDC_CONC_NA_SERUM	28888	/*	*/
#define MDC_CONC_K_SERUM	28892	/*	*/
#define MDC_CONC_GLU_SERUM	28896	/*	*/
#define MDC_CONC_CA_SERUM	28900	/*	*/
#define MDC_CONC_PH_CSF	28904	/*	*/
#define MDC_CONC_H_ION_CSF	29096	/*	*/

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#define MDC_CONC_PCO2_CSF	28908	/*	*/
#define MDC_CONC_HCO3_CSF	28912	/*	*/
#define MDC_CONC_NA_CSF	28916	/*	*/
#define MDC_CONC_K_CSF	28920	/*	*/
#define MDC_CONC_GLU_CSF	28924	/*	*/
#define MDC_CONC_CA_CSF	28928	/*	*/
#define MDC_CONC_PH_GEN	28932	/*	*/
#define MDC_CONC_H_ION_GEN	29100	/*	*/
#define MDC_CONC_HCO3_GEN	28936	/*	*/
#define MDC_CONC_NA_GEN	28940	/*	*/
#define MDC_CONC_K_GEN	28944	/*	*/
#define MDC_CONC_GLU_GEN	28948	/*	*/
#define MDC_CONC_CA_GEN	28952	/*	*/
#define MDC_CONC_PH_GASTRIC	28956	/*	*/
#define MDC_CONC_H_ION_GASTRIC	29104	/*	*/
#define MDC_CONC_PH_ESOPH	28960	/*	*/
#define MDC_CONC_H_ION_ESOPH	29108	/*	*/
#define MDC_OSMOL_SERUM	28964	/*	*/
#define MDC_OSMOL_URINE	28968	/*	*/
#define MDC_SPEC_GRAV_URINE	28972	/*	*/
#define MDC_RATIO_PLASMA_COAG	28976	/*	*/
#define MDC_TIME_PD_PLASMA_COAG	28984	/*	*/
#define MDC_CONC_PCO2_GEN	28992	/*	*/
#define MDC_CONC_HCT_ART	28996	/*	*/
#define MDC_CONC_CHLOR_ART	29000	/*	*/
#define MDC_CONC_HB_O2_GEN	29004	/*	*/
#define MDC_CONC_UREA_ART	29008	/*	*/
#define MDC_CONC_HCT_VEN	29012	/*	*/
#define MDC_CONC_CHLOR_VEN	29016	/*	*/
#define MDC_CONC_UREA_VEN	29020	/*	*/
#define MDC_CONC_CHLOR_PLASMA	29024	/*	*/

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#define MDC_CONC_UREA_PLASMA	29028	/*	*/
#define MDC_CONC_CHLOR_GEN	29032	/*	*/
#define MDC_BASE_EXCESS_ART_INDEX	29036	/*	*/
#define MDC_BASE_EXCESS_VEN_INDEX	29040	/*	*/
#define MDC_CONC_PO2_GEN	29044	/*	*/
#define MDC_CONC_HB_GEN	29048	/*	*/
#define MDC_CONC_HB_MET_GEN	29052	/*	*/
#define MDC_CONC_HB_CO_GEN	29056	/*	*/
#define MDC_CONC_HCT_GEN	29060	/*	*/
#define MDC_CONC_UREA_GEN	29064	/*	*/
#define MDC_CONC_H_ION_PLASMA	29088	/*	*/
#define MDC_CONC_GLU_CAPILLARY_WHOLEBLOOD	29112	/*	*/
#define MDC_CONC_GLU_CAPILLARY_PLASMA	29116	/*	*/
#define MDC_CONC_GLU_VENOUS_WHOLEBLOOD	29120	/*	*/
#define MDC_CONC_GLU_VENOUS_PLASMA	29124	/*	*/
#define MDC_CONC_GLU_ARTERIAL_WHOLEBLOOD	29128	/*	*/
#define MDC_CONC_GLU_ARTERIAL_PLASMA	29132	/*	*/
#define MDC_CONC_GLU_CONTROL	29136	/*	*/
#define MDC_CONC_GLU_ISF	29140	/*	*/
#define MDC_BASE_EXCESS_FLUID_EXTRACELLULAR	29144	/*	*/
#define MDC_CONC_HBA1C	29148	/*	*/
#define MDC_CONC_BILIRUBIN_URINE	29152	/*	*/
#define MDC_CONC_KETONE_URINE	29156	/*	*/
#define MDC_LN_58805_WBC_NUM_STRIP_AUTO_URINE	29160	/*	*/
#define MDC_CONC_NITRITE_URINE	29164	/*	*/
#define MDC_LN_57747_RBC_NUM_STRIP_AUTO_URINE	29168	/*	*/
#define MDC_CONC_PROTEIN_URINE	29172	/*	*/
#define MDC_CONC_UROBILINOGEN_URINE	29176	/*	*/
#define MDC_BASE_EXCESS_BLD_ART	29180	/*	*/
#define MDC_CONC_CA_PH_NORMALIZED_ART	29184	/*	*/
#define MDC_RATIO_INR_COAG	29188	/*	*/

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#define MDC_TIME_PD_COAG	29192	/*	*/
#define MDC_QUICK_VALUE_COAG	29196	/*	*/
#define MDC_ISI_COAG	29200	/*	*/
#define MDC_COAG_CONTROL	29204	/*	*/
#define MDC_PULS_OXIM_CONC_HB_O2_ART_CALC	29208	/*	*/
#define MDC_PULS_OXIM_HB_CO_ART	29212	/*	*/
#define MDC_PULS_OXIM_HB_MET_ART	29216	/*	*/
#define MDC_PULS_OXIM_HB_TOTAL_ART	29220	/*	*/
#define MDC_PULS_OXIM_SAT_O2_ART_PREDUCTAL	29224	/*	*/
#define MDC_PULS_OXIM_SAT_O2_ART_POSTDUCTAL	29228	/*	*/
#define MDC_PULS_OXIM_SAT_O2_ART_PRE_POST_DIFF	29232	/*	*/
#define MDC_CONC_PCO2_GASTRIC_ART_DIFF	29236	/*	*/
#define MDC_CONC_PCO2_GASTRIC_ET_DIFF	29240	/*	*/
#define MDC_CONC_PCO2_GASTRIC_MUCOSAL	29244	/*	*/
#define MDC_CONC_PH_INTRAMUCOSAL	29248	/*	*/
#define MDC_SPO2_SIGNAL_QUALITY_INDEX	29252	/*	*/
#define MDC_CONC_GLU_UNDETERMINED_WHOLEBLOOD	29292	/*	*/
#define MDC_CONC_GLU_UNDETERMINED_PLASMA	29296	/*	*/
#define MDC_CONC_GLU_CONTROL_LEVEL_LOW	29300	/*	*/
#define MDC_CONC_GLU_CONTROL_LEVEL_MEDIUM	29304	/*	*/
#define MDC_CONC_GLU_CONTROL_LEVEL_HIGH	29308	/*	*/
#define MDC_CONC_GLU_CONTROL_LEVEL_UNDETERMINED	29312	/*	*/
/* Block: ECG Partition: 2			
Description ECG per-lead measurements			*/
#define MDC_ECG_TIME_PD_PP	32768	/*	*/
#define MDC_ECG_TIME_PD_RR	33024	/*	*/
#define MDC_ECG_TIME_PD_PQ	33280	/*	*/
#define MDC_ECG_TIME_PD_PQ_SEG	33536	/*	*/
#define MDC_EEG_PATT_CRTX_THETA_BKGD	33608	/*	*/
#define MDC_ECG_TIME_PD_QTC_NOS	33792	/*	*/

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#define MDC_ECG_TIME_PD_QTcB	34048	/*	*/
#define MDC_ECG_TIME_PD_QTcF	34304	/*	*/
#define MDC_ECG_TIME_PD_QTU	34560	/*	*/
#define MDC_ECG_SHAPE_ST	34816	/*	*/
#define MDC_ECG_SHAPE_ST_T	35072	/*	*/

/* Block: MICROENV

Partition: 2

Description Infant incubator and warmer microenvironments */

#define MDC_CONC_O2_MICROENV	53216	/*	*/
#define MDC_REL_HUMIDITY_MICROENV	53220	/*	*/
#define MDC_TEMP_MICROENV	53224	/*	*/
#define MDC_MICROENV_HEATER_APPLIED_PWR	53228	/*	*/
#define MDC_MICROENV_HEATER_HEAT_SINK_RESIST	53232	/*	*/
#define MDC_MICROENV_HEATER_HEAT_SINK_TEMP	53236	/*	*/
#define MDC_MICROENV_TYPE	53264	/*	*/
#define MDC_MICROENV_HEATER_TYPE	53265	/*	*/
#define MDC_MICROENV_BED_STATE	53266	/*	*/
#define MDC_MICROENV_AIR_CURTAIN_STATE	53267	/*	*/
#define MDC_MICROENV_HEATER_CNTRL_MODE	53268	/*	*/
#define MDC_MICROENV_FAN_SPEED	53269	/*	*/

/* Block: ENUM

Partition: 2

Description Enumerations (i.e., Modes) */

#define MDC_TRIG	53250	/*	*/
#define MDC_TRIG_BEAT	53251	/*	*/
#define MDC_ID_TRIG_BREATH	53253	/*	*/
#define MDC_ECG_STAT_ECT	53254	/*	*/
#define MDC_ECG_STAT_RHY	53255	/*	*/
#define MDC_ID_TRIG_DEFIB	53256	/*	*/
#define MDC_DRUG_NAME_TABLE	53257	/*	*/
#define MDC_DRUG_NAME_TYPE	53258	/*	*/

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```

#define MDC_TRIG_BEAT_MAX_INRUSH          53259  /* */

#define MDC_DEV_STAT                      53260  /* */

/* Block: VENTILATION MODES                                     Partition: 2

Description Ventilation modes                                     */

#define MDC_VENT_MODE                    53280  /* */

#define MDC_VENT_MODE_RESP_SPONT         53281  /* */

#define MDC_VENT_MODE_PAP_CTS_SPONT      53282  /* */

#define MDC_VENT_MODE_PAP_BIPHAS_SPONT   53283  /* */

#define MDC_VENT_MODE_PPV_INTERMIT_PAP   53284  /* */

#define MDC_VENT_MODE_PEEP               53285  /* */

#define MDC_VENT_MODE_MAND_CTS            53286  /* */

#define MDC_VENT_MODE_PEEP_MAND_CTS       53287  /* */

#define MDC_VENT_MODE_VENT_INV_RATIO      53288  /* */

#define MDC_VENT_MODE_PEEP_INV_RATIO      53289  /* */

#define MDC_VENT_MODE_MAND_INTERMIT       53290  /* */

#define MDC_VENT_MODE_PEEP_MAND_INTERMIT  53291  /* */

#define MDC_VENT_MODE_SYNC_MAND_INTERMIT  53292  /* */

#define MDC_VENT_MODE_SYNC_MAND_INTERMIT_PEEP 53293  /* */

#define MDC_VENT_MODE_INSPIR_ASSIST       53294  /* */

#define MDC_VENT_MODE_PEEP_INSPIR_ASSIST  53295  /* */

#define MDC_VENT_MODE_APR                 53296  /* */

#define MDC_VENT_MODE_APR_PEEP            53297  /* */

#define MDC_VENT_MODE_PSV                 53298  /* */

#define MDC_VENT_MODE_PSV_PEEP            53299  /* */

#define MDC_VENT_MODE_MMV                 53300  /* */

#define MDC_VENT_MODE_MMV_PEEP            53301  /* */

#define MDC_VENT_MODE_PAV                 53302  /* */

#define MDC_VENT_MODE_PAV_PEEP            53303  /* */

#define MDC_VENT_MODE_HI_FREQ             53304  /* */

#define MDC_VENT_MODE_HI_FREQ_JET         53305  /* */

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#define MDC_VENT_MODE_HI_FREQ_OSCIL	53306	/*	*/
#define MDC_VENT_MODE_ENP	53307	/*	*/
#define MDC_VENT_MODE_BACKUP	53328	/*	*/
#define MDC_GASDLV_AGENT	53332	/*	*/
#define MDC_GASDLV_BALANCE_GAS	53333	/*	*/
#define MDC_NEB_DEV_TYPE	53336	/*	*/
#define MDC_NEB_DEV_STATUS	53337	/*	*/
#define MDC_NEB_DEV_MODE	53338	/*	*/

/* Block: SUBSTANCE TYPE

Partition: 2

Description Substance type			*/
#define MDC_DRUG_NAME_POINTER	53396	/*	*/
#define MDC_DRUG_NAME_PRI_POINTER	53397	/*	*/
#define MDC_DRUG_NAME_SEC_POINTER	53398	/*	*/
#define MDC_DRUG_NAME_TYPE_PROP	53400	/*	*/
#define MDC_SYRINGE_TYPE	53404	/*	*/
#define MDC_TUBE_TYPE	53408	/*	*/
#define MDC_SUBST_DILUENT	53412	/*	*/
#define MDC_PUMP_MODE	53432	/*	*/
#define MDC_PUMP_STAT	53436	/*	*/
#define MDC_PUMP_STAT_PRI	53437	/*	*/
#define MDC_PUMP_STAT_SEC	53438	/*	*/

/* Block: NEUROLOGICAL STIMULATION

Partition: 2

Description Neurological stimulation			*/
#define MDC_STIM_CLICK	53504	/*	*/
#define MDC_STIM_CLICK_FILTER	53505	/*	*/
#define MDC_STIM_PIP	53506	/*	*/
#define MDC_STIM_SINUSOID_GATE	53507	/*	*/
#define MDC_STIM_EAR_LEFT	53508	/*	*/
#define MDC_STIM_EAR_RIGHT	53509	/*	*/

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#define MDC_STIM_EAR_BOTH	53510	/*	*/
#define MDC_STIM_EAR_MASK_AEP_LEFT	53511	/*	*/
#define MDC_STIM_EAR_MASK_AEP_RIGHT	53512	/*	*/
#define MDC_STIM_EAR_MASK_AEP_BOTH	53513	/*	*/
#define MDC_STIM_RAREFAC	53514	/*	*/
#define MDC_STIM_CONDENS	53515	/*	*/
#define MDC_STIM_ALTERN	53516	/*	*/
#define MDC_STIM_VIS_FLD	53517	/*	*/
#define MDC_STIM_VIS_FLD_FULL	53518	/*	*/
#define MDC_STIM_VIS_FLD_HALF_L	53519	/*	*/
#define MDC_STIM_VIS_FLD_HALF_R	53520	/*	*/
#define MDC_STIM_VIS_FLD_HALF_TOP	53521	/*	*/
#define MDC_STIM_VIS_FLD_HALF_BOT	53522	/*	*/
#define MDC_STIM_VIS_FLD_TOP_QUAD_L	53523	/*	*/
#define MDC_STIM_VIS_FLD_TOP_QUAD_R	53524	/*	*/
#define MDC_STIM_VIS_FLD_BOT_QUAD_L	53525	/*	*/
#define MDC_STIM_VIS_FLD_BOT_QUAD_R	53526	/*	*/
#define MDC_STIM_PATT_VEP	53527	/*	*/
#define MDC_STIM_PATT_CHKRBRD	53528	/*	*/
#define MDC_STIM_PATT_BAR_HORIZ	53529	/*	*/
#define MDC_STIM_PATT_BAR_VERT	53530	/*	*/
#define MDC_STIM_PATT_SINUSOID_HORIZ	53531	/*	*/
#define MDC_STIM_PATT_SINUSOID_VERT	53532	/*	*/
#define MDC_STIM_PATT_WINDMILL	53533	/*	*/
#define MDC_STIM_PATT_DARTBRD	53534	/*	*/
#define MDC_STIM_PATT_CMPLX	53535	/*	*/
#define MDC_STIM_VEP	53536	/*	*/
#define MDC_STIM_PATT_REVERSAL	53537	/*	*/
#define MDC_STIM_SINUSOID	53538	/*	*/
#define MDC_STIM_FLASH	53539	/*	*/
#define MDC_STIM_EYE_LEFT	53540	/*	*/

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#define MDC_STIM_EYE_RIGHT	53541	/*	*/
#define MDC_STIM_EYE_BOTH	53542	/*	*/
#define MDC_STIM_SEP_ELEC	53543	/*	*/
#define MDC_STIM_SEP_CURR_LIMITED	53544	/*	*/
#define MDC_STIM_SEP_ELEC_VOLTAGE_DEF	53545	/*	*/
#define MDC_STIM_SEP_NON_ELEC	53546	/*	*/
#define MDC_STIM_SEP_VIB	53547	/*	*/
#define MDC_STIM_SEP_TEMP	53548	/*	*/
#define MDC_STIM_UNILAT_L	53549	/*	*/
#define MDC_STIM_UNILAT_R	53550	/*	*/
#define MDC_STIM_BILAT	53551	/*	*/
#define MDC_STIM_MEP_MAG	53552	/*	*/
#define MDC_STIM_MEP_HI_VOLT	53553	/*	*/
/* Block: MISCELLANEOUS	Partition: 2		
Description Miscellaneous measurements			*/
#define MDC_TEMP_RECT	57348	/* KKT	*/
#define MDC_TEMP_ORAL	57352	/* T	*/
#define MDC_TEMP_EAR	57356	/* T	*/
#define MDC_TEMP_FINGER	57360	/* T	*/
#define MDC_TEMP_BLD	57364	/* T	*/
#define MDC_TEMP_DIFF	57368	/* Tdiff	*/
#define MDC_TEMP_SURF	57372	/*	*/
#define MDC_TEMP_SURF_MEAN	57375	/*	*/
#define MDC_TEMP_TOE	57376	/*	*/
#define MDC_TEMP_AXILLA	57380	/*	*/
#define MDC_TEMP_GIT	57384	/*	*/
#define MDC_CONC_GASTRIC_ACID	57392	/* pH	*/
#define MDC_CONC_ESOPH_ACID	57396	/* pH	*/
#define MDC_PRESS_GI	57408	/* Pgast	*/
#define MDC_POWER_TCUT	57416	/*	*/

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#define MDC_TEMP_TCUT	57420	/*	*/
#define MDC_TEMP_MYO	57428	/*	*/
#define MDC_TEMP_NASAL	57432	/*	*/
#define MDC_TEMP_ROOM	57436	/*	*/
#define MDC_BCG_SIG_BODY	57440	/* BCG	*/
#define MDC_BCG_BREATHING	57444	/* BCG-R	*/
#define MDC_BCG_CARD_CYC	57448	/* BCG-C	*/
#define MDC_BCG_MVMT	57452	/* BCG-M	*/
#define MDC_EGG_ELEC_POTL_GI	57456	/* EGG	*/
#define MDC_MCG_MAGFLD	57472	/* MCG	*/
#define MDC_FLOW_BLD_DOPPLER	57600	/*	*/
#define MDC_ETG_OBST	57632	/*	*/
#define MDC_MASS_BODY_ACTUAL	57664	/*	*/
#define MDC_LEN_BODY_ACTUAL	57668	/*	*/
#define MDC_AREA_BODY_SURF_ACTUAL	57672	/*	*/
#define MDC_BODY_FAT	57676	/*	*/
#define MDC_RATIO_MASS_BODY_LEN_SQ	57680	/*	*/
#define MDC_MASS_BODY_FAT_FREE	57684	/*	*/
#define MDC_MASS_BODY_SOFT_LEAN	57688	/*	*/
#define MDC_BODY_WATER	57692	/*	*/
#define MDC_ATTR_PT_WEIGHT_LAST	57720	/*	*/
#define MDC_MASS_BODY_EST_IBW	57724	/*	*/
#define MDC_MASS_BODY_EST_ABW	57728	/*	*/
#define MDC_REL_HUMIDITY_AMBIENT	57732	/*	*/
#define MDC_LEVEL_POLLEN	57736	/*	*/
#define MDC_LEVEL_DUST	57740	/*	*/

/* Block: SPIROMETRY

Partition: 2

Description Spirometry

#define MDC_VOL_AWAY_EXP_FORCED_CAPACITY 57856 /* */

#define MDC_VOL_AWAY_SLOW_CAPACITY 57860 /* */

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#define MDC_RATIO_AWAY_EXP_FORCED_FEV1_FEV6	57864	/*	*/
#define MDC_VOL_AWAY_EXP_FORCED_0_5S	57868	/*	*/
#define MDC_VOL_AWAY_EXP_FORCED_0_75S	57872	/*	*/
#define MDC_RATIO_AWAY_EXP_FORCED_1S_FVC	57876	/*	*/
#define MDC_RATIO_AWAY_EXP_FORCED_0_5S_FVC	57880	/*	*/
#define MDC_RATIO_AWAY_EXP_FORCED_0_75S_FVC	57884	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_25_75_FVC	57888	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_25_FVC	57892	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_50_FVC	57896	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_75_FVC	57900	/*	*/
#define MDC_FLOW_AWAY_INSP_FORCED_PEAK	57904	/*	*/
#define MDC_VOL_AWAY_INSP_FORCED_CAPACITY	57908	/*	*/
#define MDC_VOL_AWAY_INSP_FORCED_1S	57912	/*	*/
#define MDC_FLOW_AWAY_INSP_FORCED_25	57916	/*	*/
#define MDC_FLOW_AWAY_INSP_FORCED_50	57920	/*	*/
#define MDC_FLOW_AWAY_INSP_FORCED_75	57924	/*	*/
#define MDC_VOL_AWAY_INSP_CAPACITY	57928	/*	*/
#define MDC_VOL_AWAY_EXP_RESERVE	57932	/*	*/
#define MDC_VOL_AWAY_INSP_RESERVE	57936	/*	*/
#define MDC_VOL_AWAY_INSP_SLOW_CAPACITY	57940	/*	*/
#define MDC_VOL_AWAY_EXP_FORCED_TIME	57944	/*	*/
#define MDC_VOL_AWAY_EXTRAP	57948	/*	*/
#define MDC_AWAY_BTPS	57952	/*	*/
#define MDC_VOL_AWAY_EXP_SLOW_CAPACITY	57964	/*	*/
#define MDC_VOL_AWAY_EXP_FORCED_2S	57968	/*	*/
#define MDC_VOL_AWAY_EXP_FORCED_3S	57972	/*	*/
#define MDC_VOL_AWAY_EXP_FORCED_5S	57976	/*	*/
#define MDC_RATIO_AWAY_EXP_FORCED_2S_FVC	57980	/*	*/
#define MDC_RATIO_AWAY_EXP_FORCED_3S_FVC	57984	/*	*/
#define MDC_RATIO_AWAY_EXP_FORCED_5S_FVC	57988	/*	*/
#define MDC_RATIO_AWAY_EXP_FORCED_6S_FVC	57992	/*	*/

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#define MDC_FLOW_AWAY_EXP_FORCED_MAX	57996	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_25_50	58000	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_75_85	58004	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_0_2L_1_2L	58008	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_85	58012	/*	*/
#define MDC_VOL_AWAY_EXP_TIDAL_TIME	58016	/*	*/
#define MDC_VOL_AWAY_INSP_TIDAL_TIME	58020	/*	*/
#define MDC_RATIO_AWAY_TIN_TEX	58024	/*	*/
#define MDC_FLOW_AWAY_INSP_FORCED_25_50	58028	/*	*/
#define MDC_FLOW_AWAY_INSP_FORCED_25_75	58032	/*	*/
#define MDC_RATIO_AWAY_INSP_FORCED_1S_FIVC	58036	/*	*/
#define MDC_VOL_AWAY_CAPACITY_VOLUNTARY_MAX_12S	58040	/*	*/
#define MDC_VOL_AWAY_CAPACITY_VOLUNTARY_MAX_15S	58044	/*	*/
#define MDC_VOL_AWAY_EXP_25_75_TIME	58048	/*	*/
#define MDC_FLOW_AWAY_EXP_PEAK_TIME	58052	/*	*/
#define MDC_FLOW_AWAY_EXP_TIDAL_MEAN	58056	/*	*/

/* Block: MISCELLANEOUS

Partition: 2

Description Miscellaneous

*/

#define MDC_METRIC_NOS

61439 /*

*/

B.4 Events – Partition 3

/* Block: EVENTS/TECH

Partition: 3

Description: *Event: Device technical (General)*

*/

#define MDC_EVT

0 /*

*/

#define MDC_EVT_ABNORM

2 /*

*/

#define MDC_EVT_ABSENT

4 /*

*/

#define MDC_EVT_ACTIVE

6 /*

*/

#define MDC_EVT_ALARM

8 /*

*/

#define MDC_EVT_CONN

12 /*

*/

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#define MDC_EVT_CONTAM	14	/*	*/
#define MDC_EVT_DEFECT	16	/*	*/
#define MDC_EVT_DEPLET	18	/*	*/
#define MDC_EVT_DETEC	20	/*	*/
#define MDC_EVT_DISCONN	22	/*	*/
#define MDC_EVT_DISTURB	24	/*	*/
#define MDC_EVT_QUALITY	24	/*	*/
#define MDC_EVT_SIG_QUALITY	24	/*	*/
#define MDC_EVT_EMPTY	26	/*	*/
#define MDC_EVT_EQU	28	/*	*/
#define MDC_EVT_ERR	30	/*	*/
#define MDC_EVT_ERRATIC	32	/*	*/
#define MDC_EVT_EXCESS	34	/*	*/
#define MDC_EVT_EXH	36	/*	*/
#define MDC_EVT_FAIL	38	/*	*/
#define MDC_EVT_HI	40	/*	*/
#define MDC_EVT_HI_GT_LIM	42	/*	*/
#define MDC_EVT_HI_VAL_GT_LIM	44	/*	*/
#define MDC_EVT_INCORRECT	46	/*	*/
#define MDC_EVT_INFILT	48	/*	*/
#define MDC_EVT_INGRESS	50	/*	*/
#define MDC_EVT_INOP	52	/*	*/
#define MDC_EVT_INTERF	54	/*	*/
#define MDC_EVT_INTERRUP	56	/*	*/
#define MDC_EVT_IRREG	58	/*	*/
#define MDC_EVT_LEAK	60	/*	*/
#define MDC_EVT_LO	62	/*	*/
#define MDC_EVT_LO_LT_LIM	64	/*	*/
#define MDC_EVT_LO_VAL_LT_LIM	66	/*	*/
#define MDC_EVT_LOST	68	/*	*/
#define MDC_EVT_MALF	70	/*	*/

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#define MDC_EVT_MODE	72	/*	*/
#define MDC_EVT_NOISY	74	/*	*/
#define MDC_EVT_NOT_DEFLATED	78	/*	*/
#define MDC_EVT_OBSTRUC	80	/*	*/
#define MDC_EVT_OCCL	80	/*	*/
#define MDC_EVT_OVER	88	/*	*/
#define MDC_EVT_OVERFLOW	90	/*	*/
#define MDC_EVT_PROB	92	/*	*/
#define MDC_EVT_REVERSED	96	/*	*/
#define MDC_EVT_SHORT	100	/*	*/
#define MDC_EVT_STAT_DISP_STOP	102	/*	*/
#define MDC_EVT_SUBATMOS	104	/*	*/
#define MDC_EVT_SUST	106	/*	*/
#define MDC_EVT_UNANALYZEABLE	108	/*	*/
#define MDC_EVT_UNAVAIL	110	/*	*/
#define MDC_EVT_UNDEF	112	/*	*/
#define MDC_EVT_UNDER	114	/*	*/
#define MDC_EVT_UNEQU	116	/*	*/
#define MDC_EVT_UNK	118	/*	*/
#define MDC_EVT_UNPLUGGED	120	/*	*/
#define MDC_EVT_VIOL	122	/*	*/
#define MDC_EVT_WARMING	124	/*	*/
#define MDC_EVT_WARN	126	/*	*/
#define MDC_EVT_WEAK	128	/*	*/
#define MDC_EVT_RECOV_ERR	130	/*	*/
#define MDC_EVT_UNINTEN_INOP	132	/*	*/
#define MDC_EVT_UNRECOV_ERR	134	/*	*/
#define MDC_EVT_BREATH_ABSENT	136	/*	*/
#define MDC_EVT_CALIB_FAIL	138	/*	*/
#define MDC_EVT_COMM_LOST	140	/*	*/
#define MDC_EVT_CONFIG_ERR	142	/*	*/

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#define MDC_EVT_DATA_ACQN_PROB	144	/*	*/
#define MDC_EVT_FUNC_UNAVAIL	146	/*	*/
#define MDC_EVT_GAIN_HI	148	/*	*/
#define MDC_EVT_GAIN_LO	150	/*	*/
#define MDC_EVT_HANDL_ERR	152	/*	*/
#define MDC_EVT_INFLAT_OVER	154	/*	*/
#define MDC_EVT_MIX_ERR	156	/*	*/
#define MDC_EVT_POSN_IRREG	158	/*	*/
#define MDC_EVT_POSN_PROB	160	/*	*/
#define MDC_EVT_PROC_ERR	162	/*	*/
#define MDC_EVT_RANGE_ERR	164	/*	*/
#define MDC_EVT_RANGE_OVER	166	/*	*/
#define MDC_EVT_RANGE_UNDER	168	/*	*/
#define MDC_EVT_SHAPE_ERR	170	/*	*/
#define MDC_EVT_SIG_ERRATIC	172	/*	*/
#define MDC_EVT_SRC_ABSENT	174	/*	*/
#define MDC_EVT_SUPPLY_LO	176	/*	*/
#define MDC_EVT_SUPPLY_PROB	178	/*	*/
#define MDC_EVT_SVC_QUALITY	180	/*	*/
#define MDC_EVT_SYNCH_ERR_RCV_OVRUN	182	/*	*/
#define MDC_EVT_SYNCH_ERR	182	/*	*/
#define MDC_EVT_SYNCH_INOP	184	/*	*/
#define MDC_EVT_TIMEOUT_ERR	186	/*	*/
#define MDC_EVT_VIB_PROB	188	/*	*/
#define MDC_EVT_WEDGE_OCCL	190	/*	*/
#define MDC_EVT_BATT_FAIL	192	/*	*/
#define MDC_EVT_BATT_LO	194	/*	*/
#define MDC_EVT_BATT_MALF	196	/*	*/
#define MDC_EVT_BATT_PROB	198	/*	*/
#define MDC_EVT_VENT_OCCL	200	/*	*/
#define MDC_EVT_CABLE_SHORT	204	/*	*/

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#define MDC_EVT_CATH_PULM_INFLAT_OVER	206	/*	*/
#define MDC_EVT_CKT_SHORT	208	/*	*/
#define MDC_EVT_VENT_EXH	210	/*	*/
#define MDC_EVT_CO2_CAN_LEAK	212	/*	*/
#define MDC_EVT_CO2_SAMPL_LINE_DEFECT	214	/*	*/
#define MDC_EVT_CO2_WIND_OBSTRUC	216	/*	*/
#define MDC_EVT_COMM_LINK_NOISY	218	/*	*/
#define MDC_EVT_COMM_MODULE_ERR	220	/*	*/
#define MDC_EVT_COMPONENT_POSN_PROB	222	/*	*/
#define MDC_EVT_CONNECTOR_SHORT	224	/*	*/
#define MDC_EVT_CUFF_INCORRECT	226	/*	*/
#define MDC_EVT_CUFF_LEAK	228	/*	*/
#define MDC_EVT_CUFF_NOT_DEFLATED	230	/*	*/
#define MDC_EVT_CUFF_INFLAT_OVER	232	/*	*/
#define MDC_EVT_DOOR_OR_HANDLE_POSN_PROB	234	/*	*/
#define MDC_EVT_ELEC_PWR_LINE_PROB	236	/*	*/
#define MDC_EVT_ENDOTRACH_TUBE_LEAK	238	/*	*/
#define MDC_EVT_CUFF_LOOSE	240	/*	*/
#define MDC_EVT_EQUIP_MALF	242	/*	*/
#define MDC_EVT_FLUID_LINE_DISTURB	244	/*	*/
#define MDC_EVT_FLUID_LINE_INFILT	246	/*	*/
#define MDC_EVT_FLUID_LINE_INGRESS	248	/*	*/
#define MDC_EVT_TUBE_OCCL	250	/*	*/
#define MDC_EVT_FLUID_LINE_PROB	252	/*	*/
#define MDC_EVT_FLUID_LINE_FLOW_SENSOR_PROB	254	/*	*/
#define MDC_EVT_GAS_CONTAM	256	/*	*/
#define MDC_EVT_GAS_AGENT_IDENT_MALF	258	/*	*/
#define MDC_EVT_GAS_LINE_PROB	260	/*	*/
#define MDC_EVT_HEATING_PWR_PROB	262	/*	*/
#define MDC_EVT_HOSE_LEAK	264	/*	*/
#define MDC_EVT_HOSE_OBSTRUC	266	/*	*/

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#define MDC_EVT_LEAD_DISCONN	268	/*	*/
#define MDC_EVT_LEAD_NOISY	270	/*	*/
#define MDC_EVT_LEAD_OFF	272	/*	*/
#define MDC_EVT_LEADS_OFF	274	/*	*/
#define MDC_EVT_LIGHTS_IN_ROOM_OFF	276	/*	*/
#define MDC_EVT_LIGHT_INTERF	278	/*	*/
#define MDC_EVT_LIGHT_SRC_ABSENT	280	/*	*/
#define MDC_EVT_MED_GAS_SUPPLY_LO	282	/*	*/
#define MDC_EVT_MODULE_DISCONN	284	/*	*/
#define MDC_EVT_MODULE_EXCESS	286	/*	*/
#define MDC_EVT_MODULE_UNK	288	/*	*/
#define MDC_EVT_MS_SUBSYS_DISCONN	290	/*	*/
#define MDC_EVT_MSG_COMM_ERR	292	/*	*/
#define MDC_EVT_O2_SUPPLY_LO	296	/*	*/
#define MDC_EVT_OPTIC_MODULE_ABSENT	298	/*	*/
#define MDC_EVT_OPTIC_MODULE_DEFECT	300	/*	*/
#define MDC_EVT_PAPER_PROB	302	/*	*/
#define MDC_EVT_PLUGIN_INCORRECT	304	/*	*/
#define MDC_EVT_PLUGIN_POSN_IRREG	306	/*	*/
#define MDC_EVT_SENSOR_DISCONN	308	/*	*/
#define MDC_EVT_SENSOR_MALF	310	/*	*/
#define MDC_EVT_SENSOR_PROB	312	/*	*/
#define MDC_EVT_SIDESTRM_MALF	314	/*	*/
#define MDC_EVT_SIDESTRM_OFF	316	/*	*/
#define MDC_EVT_SIDESTRM_ON	318	/*	*/
#define MDC_EVT_SITE_TIMER_PROB	320	/*	*/
#define MDC_EVT_SW_VER_UNK	322	/*	*/
#define MDC_EVT_TUBE_DISCONN	326	/*	*/
#define MDC_EVT_TUBE_LEAK	328	/*	*/
#define MDC_EVT_TUBE_OBSTRUC	330	/*	*/
#define MDC_EVT_FLUID_LINE_OCCL	332	/*	*/

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#define MDC_EVT_XDUCR_ABSENT	334	/*	*/
#define MDC_EVT_XDUCR_DISCONN	336	/*	*/
#define MDC_EVT_XDUCR_MALF	338	/*	*/
#define MDC_EVT_BW_INCORRECT	340	/*	*/
#define MDC_EVT_FLOW_LO	342	/*	*/
#define MDC_EVT_FLOW_REVERSED	344	/*	*/
#define MDC_EVT_FLUID_LINE_DRIP_MALF	346	/*	*/
#define MDC_EVT_INTENS_ERR	348	/*	*/
#define MDC_EVT_INTENS_LIGHT_ERR	350	/*	*/
#define MDC_EVT_MSMT_DISCONN	352	/*	*/
#define MDC_EVT_MSMT_ERR	354	/*	*/
#define MDC_EVT_MSMT_FAIL	356	/*	*/
#define MDC_EVT_MSMT_INOP	358	/*	*/
#define MDC_EVT_MSMT_INTERF	360	/*	*/
#define MDC_EVT_MSMT_INTERRUPT	362	/*	*/
#define MDC_EVT_MSMT_RANGE_OVER	364	/*	*/
#define MDC_EVT_MSMT_RANGE_UNDER	366	/*	*/
#define MDC_EVT_PRESS_HI_GT_LIM	368	/*	*/
#define MDC_EVT_PRESS_HI_VAL_GT_LIM	370	/*	*/
#define MDC_EVT_PRESS_SUBATMOS	372	/*	*/
#define MDC_EVT_PRESS_SUPPLY_HI	374	/*	*/
#define MDC_EVT_PRESS_SUPPLY_LO	376	/*	*/
#define MDC_EVT_PRESS_CUFF_OVER	378	/*	*/
#define MDC_EVT_SIG_LO	380	/*	*/
#define MDC_EVT_SIG_UNANALYZEABLE	384	/*	*/
#define MDC_EVT_SIG_RANGE_OVER	388	/*	*/
#define MDC_EVT_SIG_RANGE_UNDER	390	/*	*/
#define MDC_EVT_SIG_STRENGTH_WEAK	392	/*	*/
#define MDC_EVT_TEMP_HI_GT_LIM	394	/*	*/
#define MDC_EVT_TEMP_HI_VAL_GT_LIM	396	/*	*/
#define MDC_EVT_UNIT_INVALID	398	/*	*/

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#define MDC_EVT_UNSUPPORTED	400	/*	*/
#define MDC_EVT_MSG_NOM_ERR	402	/*	*/
#define MDC_EVT_SIG_GAIN_LO	404	/*	*/
#define MDC_EVT_OP_INVALID	406	/*	*/
#define MDC_EVT_MATERIAL_LOW_OR_OUT	408	/*	*/
#define MDC_EVT_AL_LIMIT	410	/*	*/
#define MDC_EVT_QOS	412	/*	*/
#define MDC_EVT_TIMING	414	/*	*/
#define MDC_EVT_MSG_ERR_PROC	416	/*	*/
#define MDC_EVT_COMPUT_UNDERFLOW	418	/*	*/
#define MDC_EVT_PROC	420	/*	*/
#define MDC_EVT_VENT_DELIV_O2_LO	422	/*	*/
#define MDC_EVT_SYNCH	426	/* SYNC	*/
#define MDC_EVT_CUFF_POSN_ERR	430	/*	*/
#define MDC_EVT_WAVE_ARTIF_ERR	432	/*	*/
#define MDC_EVT_WAVE_SIG_QUAL_ERR	434	/*	*/
#define MDC_EVT_MSMT_INTERF_ERR	436	/*	*/
#define MDC_EVT_WAVE_SHAPE_ABNORM	438	/*	*/
#define MDC_EVT_SIG_NOISY	440	/*	*/
#define MDC_EVT_WAVE_OSCIL_ABSENT	442	/*	*/
#define MDC_EVT_SIG_ABSENT	444	/*	*/
#define MDC_EVT_SIG_OUT_OF_RANGE	446	/*	*/
#define MDC_EVT_SIG_PROC_ERR	448	/*	*/
#define MDC_EVT_LIMIT_AL_HI	450	/*	*/
#define MDC_EVT_MSG_CORRUPT	452	/*	*/
#define MDC_EVT_NBP_MOTION_DETEC	454	/*	*/
#define MDC_EVT_NBP_CUFF_DISCONN_OR_LEAK	456	/*	*/
#define MDC_EVT_POWER_SUPPLY_PROB	458	/*	*/
#define MDC_EVT_VOLTAGE_OUT_OF_RANGE	460	/*	*/
#define MDC_EVT_CO2_MSMT_FAIL	462	/*	*/
#define MDC_EVT_CO2_SENSOR_FAIL	464	/*	*/

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#define MDC_EVT_VENT_CYC_INSP_START	466	/*	*/
#define MDC_EVT_COMM	468	/*	*/
#define MDC_EVT_MSG_SEMAN_ERR	470	/*	*/
#define MDC_EVT_FRAM_ERR	472	/*	*/
#define MDC_EVT_PARITY_ERR	474	/*	*/
#define MDC_EVT_DOOR_POSN_ERR	476	/*	*/
#define MDC_EVT_MSG_SYNTAX_UNDEF	478	/*	*/
#define MDC_EVT_TIMER_SYNCH_TICK	480	/* SYNC	*/
#define MDC_EVT_DATA_ACQN_ERR	482	/*	*/
#define MDC_EVT_LIGHT_ON	484	/*	*/
#define MDC_EVT_TEMP_ENVIRON_LOW_ABNORM	486	/*	*/
#define MDC_EVT_TEMP_ENVIRON_HI_ABNORM	488	/*	*/
#define MDC_EVT_HUMID_EXCESS	490	/*	*/
#define MDC_EVT_SIG_ABSENT_OSCIL	494	/*	*/
#define MDC_EVT_SIG_AMPL_INVALID	496	/*	*/
#define MDC_EVT_SIG_RATE_EQU	498	/*	*/
#define MDC_EVT_SIG_ARTIFACT	500	/*	*/
#define MDC_EVT_BUFF_OVERFLOW	502	/*	*/
#define MDC_EVT_VENT_TEMP_AWAY_HI	504	/*	*/
#define MDC_EVT_TEMP_ERR_ENVIRON	506	/*	*/
#define MDC_EVT_VENT_OBSTRUC	508	/*	*/
#define MDC_EVT_VENT_ENDOTRACH_TUBE_OBSTRUC	508	/*	*/
#define MDC_EVT_VENT_VOL_BREATHING_IRREG	510	/*	*/
#define MDC_EVT_VENT_VOL_MSMT_INOP	512	/*	*/
#define MDC_EVT_RESPIRATOR_TEMP_HI	514	/*	*/
#define MDC_EVT_VENT_GAS_AGENT_NOT_SELECTED	516	/*	*/
#define MDC_EVT_VENT_SYNCH_INOP	518	/*	*/
#define MDC_EVT_FLOW_DISTURB	520	/*	*/
#define MDC_EVT_VENT_EXP_VALVE_STUCK	522	/*	*/
#define MDC_EVT_TIME_PD_DELIV_COMP	524	/*	*/
#define MDC_EVT_DEV_STAT_RPT	526	/*	*/

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#define MDC_EVT_VENT_MIX_IRIS_INOP	528	/*	*/
#define MDC_EVT_TIME_PD_STANDBY_COMP	530	/*	*/
#define MDC_EVT_VENT_BREATHING_SYS_VENTED	532	/*	*/
#define MDC_EVT_VENT_CO2_ABSORB_EXH	534	/*	*/
#define MDC_EVT_VENT_CO2_SENSOR_LINE_OBSTRUC	536	/*	*/
#define MDC_EVT_VENT_ENDOTRACH_TUBE_OCCL	538	/*	*/
#define MDC_EVT_VENT_TEMP_HI	540	/*	*/
#define MDC_EVT_VENT_COMPONENT_DISCONN	542	/*	*/
#define MDC_EVT_VENT_PRESS_O2_INSP_INOP	546	/*	*/
#define MDC_EVT_VENT_GAS_LINE_PROB	548	/*	*/
#define MDC_EVT_VENT_GAS_MIXER_INOP	550	/*	*/
#define MDC_EVT_VENT_BREATHING_SYS_LEAK	552	/*	*/
#define MDC_EVT_LIMIT_AL_LO	554	/*	*/
#define MDC_EVT_PRESS_FLUID_LINE_EXCESS	558	/*	*/
#define MDC_EVT_POWER_PROB	560	/*	*/
#define MDC_EVT_ENVIRON	562	/*	*/
#define MDC_EVT_VENT_DISCONN	564	/*	*/
#define MDC_EVT_SYRINGE_TIMEOUT_WARN	566	/*	*/
#define MDC_EVT_USER_INPUT_DATA_VAL_ERR_HI	568	/*	*/
#define MDC_EVT_VENT_INOP	570	/*	*/
#define MDC_EVT_VENT_STUCK	572	/*	*/
#define MDC_EVT_PUMP_SYRINGE_DELIV_TIMEOUT	574	/*	*/
#define MDC_EVT_FLOW_OBSTRUC	576	/*	*/
#define MDC_EVT_HUMID_HI_ERR	578	/*	*/
#define MDC_EVT_FLUID_LINE_HI_GT_LIM_PRESSURE	580	/*	*/
#define MDC_EVT_FLOW_FLUID_LINE_RES_WARN	582	/*	*/
#define MDC_EVT_TIMEOUT	584	/*	*/
#define MDC_EVT_PUMP_VOL_TBI_COMP	586	/*	*/
#define MDC_EVT_DISPOS_LO	588	/*	*/
#define MDC_EVT_EQUIP	590	/*	*/
#define MDC_EVT_FLUID_LINE_AIR	592	/*	*/

#define MDC_EVT_VENT_FLOW_O2_DELIV_LO	594	/*	*/
#define MDC_EVT_VENT_CONC_O2_DELIV_LO	596	/*	*/
#define MDC_EVT_PUMP_FLOW_FREE	598	/*	*/
#define MDC_EVT_INCOMPAT	600	/*	*/
#define MDC_EVT_MULT_REPLY_UNAVAIL	602	/*	*/
#define MDC_EVT_PCA_DOOR_UNLOCKED	650	/*	*/
#define MDC_EVT_PCA_HANDSET_DETACHED	652	/*	*/
#define MDC_EVT_PCA_MAX_LIMIT	654	/*	*/
#define MDC_EVT_PCA_PAUSED	656	/*	*/
#define MDC_EVT_COMM_STATUS_CHANGE	686	/*	*/
#define MDC_EVT_PATIENT_CHANGE	692	/*	*/
#define MDC_EVT_PATIENT_ID_CHANGE	694	/*	*/
#define MDC_EVT_PATIENT_WEIGHT_CHANGE	696	/*	*/
#define MDC_EVT_IDLE	720	/*	*/
#define MDC_EVT_CALLBACK	722	/*	*/
#define MDC_EVT_VOL_INFUS_COMP	724	/*	*/
#define MDC_EVT_VOL_INFUS_NEAR_COMP	726	/*	*/
#define MDC_EVT_BATT_DEPL	728	/*	*/
#define MDC_EVT_BATT_SERV	730	/*	*/
#define MDC_EVT_EMER_STOP	732	/*	*/
#define MDC_EVT_PWR_LOSS	734	/*	*/
#define MDC_EVT_FLOW_STOP_OPEN	736	/*	*/
#define MDC_EVT_CHECK_IV_SET	738	/*	*/
#define MDC_EVT_UNKNOWN	740	/*	*/
#define MDC_EVT_PUMP_CHAMBER_BLOCKED	744	/*	*/
#define MDC_EVT_HANDSET_DETACHED	746	/*	*/
#define MDC_EVT_DATA_INVALID	768	/*	*/
#define MDC_EVT_DATA_MISSING	770	/*	*/
#define MDC_EVT_SW_VER_REPORT	832	/*	*/
#define MDC_EVT_TLS_CERT_EXPIRY	834	/*	*/

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/* Block: EVENTS/MEDICAL Partition: 3

Description: *Event [Medical; i.e., ECG Patterns, Hemo]* */

#define MDC_EVT_APNEA	3072	/*	*/
#define MDC_EVT_ECG_NOT_PACED	3074	/*	*/
#define MDC_EVT_ECG_ASYSTOLE	3076	/* ASYSTOLE	*/
#define MDC_EVT_ECG_BEAT_MISSED	3078	/*	*/
#define MDC_EVT_ECG_BEAT_UNUSUAL	3080	/*	*/
#define MDC_EVT_ECG_BIGEM	3082	/*	*/
#define MDC_EVT_ECG_SINUS_BRADY	3084	/* BRADY	*/
#define MDC_EVT_ECG_BRADY_EXTREME	3086	/*	*/
#define MDC_EVT_ECG_BRADY_SUST	3088	/*	*/
#define MDC_EVT_ECG_FIB	3092	/*	*/
#define MDC_EVT_ECG_NO_ECT_BEAT	3094	/*	*/
#define MDC_EVT_ECG_PACED_BEAT	3096	/*	*/
#define MDC_EVT_STAT_ECG_PACING	3098	/*	*/
#define MDC_EVT_ECG_PACING_CAPT	3100	/*	*/
#define MDC_EVT_ECG_PACING_NON_CAPT	3102	/*	*/
#define MDC_EVT_ECG_PACING_RUN	3104	/*	*/
#define MDC_EVT_ECG_PATT	3106	/*	*/
#define MDC_EVT_ECG_PAUSE	3108	/*	*/
#define MDC_EVT_ECG_QUADRIGEM	3110	/*	*/
#define MDC_EVT_ECG_RHY	3112	/*	*/
#define MDC_EVT_ECG_RHY_ABSENT	3114	/*	*/
#define MDC_EVT_ECG_RHY_ECT	3116	/*	*/
#define MDC_EVT_ECG_RR_IRREG	3118	/*	*/
#define MDC_EVT_ECG_TACHY	3120	/*	*/
#define MDC_EVT_ECG_TACHY_EXTREME	3122	/*	*/
#define MDC_EVT_ECG_TACHY_UNSPEC	3124	/*	*/
#define MDC_EVT_ECG_TRIGEM	3126	/*	*/
#define MDC_EVT_ECG_ATR_FIB	3128	/*	*/
#define MDC_EVT_ECG_ATR_P_C	3130	/*	*/

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#define MDC_EVT_ECG_ATR_PACING	3132	/*	*/
#define MDC_EVT_ECG_ATR_STAND	3134	/*	*/
#define MDC_EVT_ECG_ATR_TACHY	3136	/*	*/
#define MDC_EVT_ECG_ATR_TACHY_MULTIFOCAL	3138	/*	*/
#define MDC_EVT_ECG_ATR_TACHY_PAROX	3140	/*	*/
#define MDC_EVT_ECG_AV_DISSOC	3142	/*	*/
#define MDC_EVT_ECG_AV_PACING_SEQ	3144	/*	*/
#define MDC_EVT_ECG_AV_HEART_BLK_DEG_1	3146	/*	*/
#define MDC_EVT_ECG_AV_HEART_BLK_DEG_2	3148	/*	*/
#define MDC_EVT_ECG_AV_HEART_BLK_DEG_2_TYPE_I	3150	/*	*/
#define MDC_EVT_ECG_AV_HEART_BLK_DEG_2_TYPE_II	3152	/*	*/
#define MDC_EVT_ECG_BB_BLK	3154	* BBB	*/
#define MDC_EVT_ECG_CARD_BEAT_RATE_HI	3156	/*	*/
#define MDC_EVT_ECG_CARD_BEAT_RATE_IRREG	3158	/* HRirreg	*/
#define MDC_EVT_ECG_CARD_BEAT_RATE_LO	3160	/*	*/
#define MDC_EVT_ECG_CARD_BEAT	3162	/* BEAT	*/
#define MDC_EVT_ECG_HEART_DYING	3164	/*	*/
#define MDC_EVT_ECG_HEART_BLK	3166	/*	*/
#define MDC_EVT_ECG_HEART_BLK_COMP	3168	/*	*/
#define MDC_EVT_ECG_JUNC_P_C	3170	/*	*/
#define MDC_EVT_ECG_JUNC_TACHY	3172	/*	*/
#define MDC_EVT_ECG_JUNC_TACHY_PAROX	3174	/*	*/
#define MDC_EVT_ECG_LA_FASC_BLK	3176	/* LAFB	*/
#define MDC_EVT_ECG_LBB_BLK	3178	/* LBBB	*/
#define MDC_EVT_ECG_LP_FASC_BLK	3180	/* LPFB	*/
#define MDC_EVT_ECG_PACER_NOT_PACING	3182	/*	*/
#define MDC_EVT_ECG_PT_NOT_PACED	3184	/*	*/
#define MDC_EVT_ECG_RBB_BLK	3186	/* RBBB	*/
#define MDC_EVT_ECG_SV_BEAT	3188	/*	*/
#define MDC_EVT_ECG_SV_P_C	3190	/*	*/
#define MDC_EVT_ECG_SV_TACHY	3192	/*	*/

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#define MDC_EVT_ECG_V_PARASYS	3194	/*	*/
#define MDC_EVT_ECG_V_BIGEM	3196	/*	*/
#define MDC_EVT_ECG_V_FIB	3198	/* V-Fib	*/
#define MDC_EVT_ECG_V_FLUT	3202	/*	*/
#define MDC_EVT_ECG_V_P_C	3204	/* PVC	*/
#define MDC_EVT_ECG_V_P_C_RonT	3206	/*	*/
#define MDC_EVT_ECG_V_P_C_MULTIFORM	3208	/*	*/
#define MDC_EVT_ECG_V_P_C_PAIR	3210	/*	*/
#define MDC_EVT_ECG_V_P_C_RUN	3212	/*	*/
#define MDC_EVT_ECG_V_P_C_TRIP	3214	/*	*/
#define MDC_EVT_ECG_V_PACING	3216	/*	*/
#define MDC_EVT_ECG_V_QUADRIGEM	3218	/*	*/
#define MDC_EVT_ECG_V_RHY	3220	/*	*/
#define MDC_EVT_ECG_V_STAND	3222	/*	*/
#define MDC_EVT_ECG_V_TACHY	3224	/* V-Tach	*/
#define MDC_EVT_ECG_V_TACHY_NON_SUST	3226	/*	*/
#define MDC_EVT_ECG_V_TACHY_SUST	3228	/*	*/
#define MDC_EVT_ECG_V_TACHY_TORSADE	3230	/*	*/
#define MDC_EVT_ECG_V_TACHY_RHY	3232	/*	*/
#define MDC_EVT_ECG_V_TACHY_RHY_SUST	3234	/*	*/
#define MDC_EVT_ECG_V_TRIGEM	3236	/*	*/
#define MDC_EVT_ECG_V_TRIGEM_RHY	3238	/*	*/
#define MDC_EVT_ECG_STAT_ECT	3240	/*	*/
#define MDC_EVT_ECG_STAT_RHY	3242	/*	*/
#define MDC_EVT_UNEQU_HR_AND_PR	3244	/*	*/
#define MDC_EVT_DESAT	3246	/*	*/
#define MDC_EVT_ECG_SV_P_C_RUN	3248	/*	*/
#define MDC_EVT_ECG_V_P_C_RATE	3252	/* PVC	*/
#define MDC_EVT_EEG_SPK_AND_WV	3254	/*	*/
#define MDC_EVT_RESP_VOL_BREATHING_IRREG	3256	/*	*/
#define MDC_EVT_ECG_AV_HEART_BLK_DEG_3	3258	/*	*/

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#define MDC_EVT_ECG_JUNC_RHY	3260	/*	*/
#define MDC_EVT_ECG_SINUS_TACHY	3262	/*	*/
#define MDC_EVT_EEG_DISCHG_SEIZ_CLIN	3264	/*	*/
#define MDC_EVT_ECG_ARRHY	3266	/*	*/
#define MDC_EVT_EEG_DISCHG_EPILEPTIFORM	3268	/*	*/
#define MDC_EVT_EEG_SPK_SHARP	3270	/*	*/
#define MDC_EVT_ECG_RHY_CPLT	3272	/*	*/
#define MDC_EVT_ECG_V_P_C_FREQ	3274	/*	*/
#define MDC_EVT_ECG_ATR_FLUT	3276	/*	*/
#define MDC_EVT_RESP_BREATHING_SPONT_ASSIST_PSW	3278	/*	*/
#define MDC_EVT_ECG_AV_HEART_BLK_DEG_2_1	3280	/*	*/
#define MDC_EVT_ECG_AV_HEART_BLK_DEG_3_1	3282	/*	*/
#define MDC_EVT_VENT_RESP_APNEA_15_SEC	3284	/*	*/
#define MDC_EVT_ECG_PACER_ABSENT	3286	/*	*/
#define MDC_EVT_ECG_AV_HEART_BLK_DEG_4_1	3288	/*	*/
#define MDC_EVT_ECG_SV_P_C_FREQ	3290	/*	*/
#define MDC_EVT_VENT_RESP_APNEA_30_SEC	3292	/*	*/
#define MDC_EVT_ECG_PACER_ARTIF_RECOG	3294	/*	*/
#define MDC_EVT_ERR_EQU_HR_AND_RR	3296	/*	*/
#define MDC_EVT_ECG_JUNC_ESC_BEATS	3298	/* JEB	*/
#define MDC_EVT_ECG_JUNC_TACHY_RUN	3300	/* RJTAC	*/
#define MDC_EVT_EQU_HR_AND_PR	3302	/*	*/
#define MDC_EVT_EEG_BACK_ACTIV_ABSENT	3304	/*	*/
#define MDC_EVT_BACK_ACTIV_ASYM	3306	/*	*/
#define MDC_EVT_PULS_NON_PULSATILE	3308	/*	*/

/* Block: EVENTS/STATUS

Partition: 3

Description: *Event [Status; mostly Device]* */

#define MDC_EVT_STAT_AL_OFF	6144	/*	*/
#define MDC_EVT_STAT_AL_ON	6146	/*	*/
#define MDC_EVT_STAT_BACKUP_MODE	6148	/*	*/

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#define MDC_EVT_STAT_BATT_CHARGING	6150	/*	*/
#define MDC_EVT_STAT_CALIB_MODE	6152	/*	*/
#define MDC_EVT_STAT_CALIB_RUNNING	6154	/*	*/
#define MDC_EVT_STAT_CALIB_INVIVO_RUNNING	6156	/*	*/
#define MDC_EVT_STAT_CALIB_LIGHT_RUNNING	6158	/*	*/
#define MDC_EVT_STAT_CALIB_PREINS_RUNNING	6160	/*	*/
#define MDC_EVT_STAT_CONFIG	6162	/*	*/
#define MDC_EVT_STAT_SELFTEST_RUNNING	6164	/*	*/
#define MDC_EVT_STAT_STANDBY_MODE	6166	/*	*/
#define MDC_EVT_STAT_TEST_RUNNING	6168	/*	*/
#define MDC_EVT_STAT_ZERO_RUNNING	6170	/*	*/
#define MDC_EVT_STAT_OPT_MOD_SENSOR_CONN	6172	/*	*/
#define MDC_EVT_STAT_OPT_MOD_SENSOR_WARMING	6174	/*	*/
#define MDC_EVT_STAT_SENSOR_WARMING	6176	/*	*/
#define MDC_EVT_STAT_WARMING	6178	/*	*/
#define MDC_EVT_STAT_PRESS_SUST	6180	/*	*/
#define MDC_EVT_STAT_ECG_AL_ALL_OFF	6182	/*	*/
#define MDC_EVT_STAT_ECG_AL_SOME_OFF	6184	/*	*/
#define MDC_EVT_STAT_MODE_SIGH_ACTIVE	6188	/*	*/
#define MDC_EVT_STAT_UNCALIB	6190	/*	*/
#define MDC_EVT_STAT_VENT_GAS_MIXER_FUNC_DISABL	6196	/*	*/
#define MDC_EVT_STAT_ACTIVE	6198	/*	*/
#define MDC_EVT_STAT_VENT_TIME_RESP_VOL_LIMITED	6202	/*	*/
#define MDC_EVT_STAT_VENT_PRESS_RESP_VOL_LIMITED	6206	/*	*/
#define MDC_EVT_STAT_VENT_AL_TACHAPNEA_DISABL	6210	/*	*/
#define MDC_EVT_STAT_CHARGING	6212	/*	*/
#define MDC_EVT_STAT_AL_SILENCE	6214	/*	*/
#define MDC_EVT_STAT_AL	6216	/*	*/
#define MDC_EVT_STAT_AL_PAUSED	6218	/*	*/
#define MDC_EVT_STAT_DOOR_OPEN	6220	/*	*/
#define MDC_EVT_STAT_NBP_INFL_TO_MAX_CUFF_PRESS	6222	/*	*/

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#define MDC_EVT_STAT_LEARN	6224	/*	*/
#define MDC_EVT_STAT_OFF	6226	/*	*/
#define MDC_EVT_STAT_STANDBY	6228	/*	*/
#define MDC_EVT_STAT_AL_TACHAPNEA_DISABL	6230	/*	*/
#define MDC_EVT_STAT_MODE_TEST	6232	/*	*/
#define MDC_EVT_STAT_WAVE_LEARN	6234	/*	*/
#define MDC_EVT_STAT_DOOR_CLOS	6244	/*	*/
#define MDC_EVT_STAT_DEPLET	6248	/*	*/
#define MDC_EVT_STAT_NBP_DEFL_AND_MEAS_BP	6250	/*	*/
#define MDC_EVT_STAT_CONN	6252	/*	*/
#define MDC_EVT_STAT_DISCONN	6256	/*	*/
#define MDC_EVT_STAT_SOUND_IN_ROOM_OFF	6258	/*	*/
#define MDC_EVT_STAT_LIGHTS_IN_ROOM_ON	6260	/*	*/
#define MDC_EVT_STAT_SOUND_IN_ROOM_ON	6264	/*	*/
#define MDC_EVT_STAT_ON	6266	/*	*/
#define MDC_EVT_STAT_CO2_WARMING	6268	/*	*/
#define MDC_EVT_STAT_CO2_AL_DISABL	6270	/*	*/
#define MDC_EVT_STAT_QRS_BEEP_OFF	6272	/*	*/
#define MDC_EVT_STAT_APNEA_AL_DISABL	6274	/*	*/
#define MDC_EVT_STAT_DEV_BATT_OPERATED	6276	/*	*/
#define MDC_EVT_STAT_DEV	6278	/*	*/
#define MDC_EVT_STAT_DEV_MODE_PEDIATRIC	6280	/*	*/
#define MDC_EVT_STAT_DEV_MODE_ADULT	6282	/*	*/
#define MDC_EVT_STAT_DEV_MAINS_OPERATED	6284	/*	*/
#define MDC_EVT_STAT_DEV_MODE_COMPUT_CNTRL	6286	/*	*/
#define MDC_EVT_STAT_POWER_SET_LINE	6288	/*	/
#define MDC_EVT_STAT_POWER_SET_BATT	6290	/*	*/
#define MDC_EVT_STAT_CO2_UNCALIB	6292	/*	*/
#define MDC_EVT_STAT_RUNNING	6294	/*	*/

/* Block: EVENTS/ADVISORY

Partition: 3

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Description: <i>Advisories</i>			*/
#define MDC_EVT_ADVIS_CHK	6658	/*	*/
#define MDC_EVT_ADVIS_CALIB_CHK	6660	/*	*/
#define MDC_EVT_ADVIS_CALIB_REQD	6662	/*	*/
#define MDC_EVT_ADVIS_CALIB_AND_ZERO_CHK	6664	/*	*/
#define MDC_EVT_ADVIS_CONFIG_CHK	6666	/*	*/
#define MDC_EVT_ADVIS_SETTINGS_CHK	6668	/*	*/
#define MDC_EVT_ADVIS_SETUP_CHK	6670	/*	*/
#define MDC_EVT_ADVIS_SRC_CHK	6672	/*	*/
#define MDC_EVT_ADVIS_ZERO_CHK	6674	/*	*/
#define MDC_EVT_ADVIS_BATT_COND	6676	/*	*/
#define MDC_EVT_ADVIS_BATT_REPLACE	6678	/*	*/
#define MDC_EVT_ADVIS_CABLE_CHK	6680	/*	*/
#define MDC_EVT_ADVIS_CO2_SENSOR_CHK	6682	/*	*/
#define MDC_EVT_ADVIS_COMM_CABLE_CHK	6684	/*	*/
#define MDC_EVT_ADVIS_DISPOS_REPLACE	6686	/*	*/
#define MDC_EVT_ADVIS_GAS_AGENT_CHK	6688	/*	*/
#define MDC_EVT_ADVIS_LEAD_CHK	6690	/*	*/
#define MDC_EVT_ADVIS_O2_SENSOR_CHK	6692	/*	*/
#define MDC_EVT_ADVIS_REC_PAPER_REPLACE	6694	/*	*/
#define MDC_EVT_ADVIS_SENSOR_CHK	6696	/*	*/
#define MDC_EVT_ADVIS_STATUS_LOG_CHK	6698	/*	*/
#define MDC_EVT_ADVIS_VOL_SENSOR_CHK	6702	/*	*/
#define MDC_EVT_ADVIS_GAIN_DECR	6704	/*	*/
#define MDC_EVT_ADVIS_GAIN_INCR	6706	/*	*/
#define MDC_EVT_ADVIS_TIME_CHK	6708	/*	*/
#define MDC_EVT_ADVIS_UNIT_CHK	6710	/*	*/
#define MDC_EVT_ADVIS_PUMP_SYRINGE_REPLACE_WARN	6712	/*	*/
#define MDC_EVT_ADVIS_PUMP_SYRINGE_REPLACE_IMMED	6714	/*	*/
#define MDC_EVT_ADVIS_VENT_WATER_TRAP_CHK	6716	/*	*/
#define MDC_EVT_ADVIS_VAPORISER_CHK_DISCONN	6718	/*	*/

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#define MDC_EVT_ADVIS_VENT_PRESS_AWAY_CHK	6720	/*	*/
#define MDC_EVT_ADVIS_VENT_FLOW_SENSOR_CHK	6722	/*	*/
#define MDC_EVT_ADVIS_VENT_FLOW_CALIB	6724	/*	*/
#define MDC_EVT_ADVIS_VENT_MIX_IRIS_CALIB	6726	/*	*/
#define MDC_EVT_ADVIS_VENT_AIR_SUPP_CHK	6728	/*	*/
#define MDC_EVT_ADVIS_VENT_EXP_VALVE_CHK	6730	/*	*/
#define MDC_EVT_ADVIS_MAINT_NEEDED	6733	/*	*/

/* Block: LOCATION SERVICES

Partition: 3

Description: *Location Services* */

#define MDC_EVT_LS_DEVICE	7168	/*	*/
#define MDC_EVT_LS_PERSON	7170	/*	*/
#define MDC_EVT_LS_MOVEMENT	7172	/*	*/
#define MDC_EVT_LS_BOUNDARY	7174	/*	*/
#define MDC_EVT_LS_COLOCATION	7176	/*	*/
#define MDC_EVT_LS_DWELL	7178	/*	*/
#define MDC_EVT_LS_ACCELEROMETER	7180	/*	*/
#define MDC_EVT_LS_TAMPER	7182	/*	*/
#define MDC_EVT_LS_INTERACTION	7184	/*	*/
#define MDC_EVT_LS_MISSING	7186	/*	*/
#define MDC_EVT_LS_ENVIRONMENT	7188	/*	*/
#define MDC_EVT_LS_BATTERY	7190	/*	*/

/* Block: EVENTS/STATUS

Partition: 3

Description: *Event [Status; mostly Device]* */

#define MDC_EVT_STAT_VENT_BREATH_SPONT	20576	/*	*/
#define MDC_EVT_STAT_VENT_BREATH_MAND	20580	/*	*/
#define MDC_EVT_NOS	61439	/*	*/
#define MDC_EVT_STANDBY_WARN	61440	/*	*/

B.5 Dimensions – Partition 4

/* Block: UNITS/BASE Partition: 4

Description: *Unit of Measurement (Base Terms)* */

#define MDC_DIM_NOS	0	/* NOS	*/
#define MDC_DIM_MULT	1	/*	*/
#define MDC_DIM_DIV	2	/*	*/

/* Block: UNITS/APPL Partition: 4

Description: *Unit of Measurement (Applied)* */

#define MDC_DIM_DIMLESS	512	/* -	*/
#define MDC_DIM_PERCENT	544	/* %	*/
#define MDC_DIM_PARTS_PER_10_TO_3	576	/*	*/
#define MDC_DIM_PARTS_PER_THOUSAND	576	/*	*/
#define MDC_DIM_PARTS_PER_10_TO_6	608	/*	*/
#define MDC_DIM_PARTS_PER_MILLION	608	/*	*/
#define MDC_DIM_PARTS_PER_10_TO_9	640	/*	*/
#define MDC_DIM_PARTS_PER_10_TO_12	672	/*	*/
#define MDC_DIM_PARTS_PER_10_TO_18	704	/*	*/
#define MDC_DIM_ANG_DEG	736	/*	*/
#define MDC_DIM_ANG_RAD	768	/*	*/
#define MDC_DIM_X_G_PER_G	800	/*	*/
#define MDC_DIM_X_G_PER_KG	832	/*	*/
#define MDC_DIM_MILLI_G_PER_KG	850	/*	*/
#define MDC_DIM_MICRO_G_PER_KG	851	/*	*/
#define MDC_DIM_NANO_G_PER_KG	852	/*	*/
#define MDC_DIM_X_MOLE_PER_MOLE	864	/*	*/
#define MDC_DIM_MILLI_MOLE_PER_MOLE	882	/*	*/
#define MDC_DIM_X_L_PER_L	896	/*	*/
#define MDC_DIM_CUBIC_X_M_PER_M_CUBE	928	/*	*/
#define MDC_DIM_CUBIC_X_M_PER_CM_CUBE	960	/*	*/

#define MDC_DIM_PH	992	/* pH	*/
#define MDC_DIM_DROP	1024	/* drop	*/
#define MDC_DIM_RBC	1056	/* rbc	*/
#define MDC_DIM_BEAT	1088	/* beat	*/
#define MDC_DIM_BREATH	1120	/* breath	*/
#define MDC_DIM_CELL	1152	/* cell	*/
#define MDC_DIM_COUGH	1184	/* cough	*/
#define MDC_DIM_SIGH	1216	/* sigh	*/
#define MDC_DIM_PCT_PCV	1248	/* %PCV	*/
#define MDC_DIM_X_M	1280	/* m	*/
#define MDC_DIM_M	1280	/* m	*/
#define MDC_DIM_CENTI_M	1297	/* cm	*/
#define MDC_DIM_MILLI_M	1298	/* mm	*/
#define MDC_DIM_MICRO_M	1299	/* um	*/
#define MDC_DIM_YARD	1312	/*	*/
#define MDC_DIM_FOOT	1344	/*	*/
#define MDC_DIM_INCH	1376	/* in	*/
#define MDC_DIM_X_L_PER_M_SQ	1408	/*	*/
#define MDC_DIM_MILLI_L_PER_M_SQ	1426	/* mL m-2	*/
#define MDC_DIM_PER_X_M	1440	/* m-1	*/
#define MDC_DIM_PER_MILLI_M	1458	/* mm	*/
#define MDC_DIM_SQ_X_M	1472	/* m2	*/
#define MDC_DIM_SQ_M	1472	/* m2	*/
#define MDC_DIM_SQ_INCH	1504	/* in2	*/
#define MDC_DIM_PER_SQ_X_M	1536	/*	*/
#define MDC_DIM_CUBIC_X_M	1568	/* m3	*/
#define MDC_DIM_CUBIC_CENTI_M	1585	/* cm3	*/
#define MDC_DIM_X_L	1600	/* L	*/
#define MDC_DIM_L	1600	/* L	*/
#define MDC_DIM_MILLI_L	1618	/* mL	*/
#define MDC_DIM_MICRO_L	1619	/* uL	*/

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#define MDC_DIM_X_L_PER_BREATH	1632	/*	*/
#define MDC_DIM_MILLI_L_PER_BREATH	1650	/* mL br-1	*/
#define MDC_DIM_PER_CUBIC_X_M	1664	/*	*/
#define MDC_DIM_PER_CUBIC_CENTI_M	1681	/* cm-3	*/
#define MDC_DIM_PER_X_L	1696	/* L-1	*/
#define MDC_DIM_X_G	1728	/* g	*/
#define MDC_DIM_G	1728	/* g	*/
#define MDC_DIM_KILO_G	1731	/* kg	*/
#define MDC_DIM_MILLI_G	1746	/* mg	*/
#define MDC_DIM_MICRO_G	1747	/* ug	*/
#define MDC_DIM_NANO_G	1748	/* ng	*/
#define MDC_DIM_LB	1760	/*	*/
#define MDC_DIM_OZ	1792	/* oz	*/
#define MDC_DIM_PER_X_G	1824	/* g-1	*/
#define MDC_DIM_PER_G	1824	/* /g	*/
#define MDC_DIM_X_G_M	1856	/* g m	*/
#define MDC_DIM_G_M	1856	/* g m	*/
#define MDC_DIM_KILO_G_M	1859	/* kg m	*/
#define MDC_DIM_X_G_M_PER_M_SQ	1888	/* g m m-2	*/
#define MDC_DIM_KILO_G_M_PER_M_SQ	1891	/* g m m-2	*/
#define MDC_DIM_X_G_M_SQ	1920	/*	*/
#define MDC_DIM_KILO_G_M_SQ	1923	/* kg m2	*/
#define MDC_DIM_X_G_PER_M_CUBE	1984	/*	*/
#define MDC_DIM_KILO_G_PER_M_CUBE	1987	/* kg m-3	*/
#define MDC_DIM_X_G_PER_CM_CUBE	2016	/* g cm-3	*/
#define MDC_DIM_MILLI_G_PER_CM_CUBE	2034	/* mg cm-3	*/
#define MDC_DIM_MICRO_G_PER_CM_CUBE	2035	/* ug cm-3	*/
#define MDC_DIM_NANO_G_PER_CM_CUBE	2036	/* ng cm-3	*/
#define MDC_DIM_X_G_PER_L	2048	/* g L-1	*/
#define MDC_DIM_G_PER_L	2048	/* g L-1	*/
#define MDC_DIM_X_G_PER_CL	2080	/*	*/

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#define MDC_DIM_G_PER_CL	2080	/*	*/
#define MDC_DIM_X_G_PER_DL	2112	/* g dL-1	*/
#define MDC_DIM_G_PER_DL	2112	/* g dL-1	*/
#define MDC_DIM_MILLI_G_PER_DL	2130	/* mg dL-1	*/
#define MDC_DIM_X_G_PER_ML	2144	/* g mL-1	*/
#define MDC_DIM_MILLI_G_PER_ML	2162	/* mg mL-1	*/
#define MDC_DIM_MICRO_G_PER_ML	2163	/* ug mL-1	*/
#define MDC_DIM_NANO_G_PER_ML	2164	/* ng mL-1	*/
#define MDC_DIM_X_SEC	2176	/* s	*/
#define MDC_DIM_SEC	2176	/* s	*/
#define MDC_DIM_MILLI_SEC	2194	/* ms	*/
#define MDC_DIM_MICRO_SEC	2195	/* us	*/
#define MDC_DIM_NANO_SEC	2196	/* ns	*/
#define MDC_DIM_MIN	2208	/* min	*/
#define MDC_DIM_HR	2240	/* h	*/
#define MDC_DIM_DAY	2272	/* d	*/
#define MDC_DIM_WEEKS	2304	/* weeks	*/
#define MDC_DIM_MON	2336	/* mth	*/
#define MDC_DIM_YR	2368	/* y	*/
#define MDC_DIM_TOD	2400	/* TOD	*/
#define MDC_DIM_DATE	2432	/* DATE	*/
#define MDC_DIM_PER_X_SEC	2464	/* s-1	*/
#define MDC_DIM_X_HZ	2496	/* Hz	*/
#define MDC_DIM_HZ	2496	/* Hz	*/
#define MDC_DIM_PER_MIN	2528	/* min-1	*/
#define MDC_DIM_PER_HR	2560	/* h-1	*/
#define MDC_DIM_PER_DAY	2592	/* d-1	*/
#define MDC_DIM_PER_WK	2624	/* week-1	*/
#define MDC_DIM_PER_MO	2656	/* mth-1	*/
#define MDC_DIM_PER_YR	2688	/* y-1	*/
#define MDC_DIM_BEAT_PER_MIN	2720	/* bpm	*/

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#define MDC_DIM_PULS_PER_MIN	2752	/* puls min-1	*/
#define MDC_DIM_RESP_PER_MIN	2784	/* resp min-1	*/
#define MDC_DIM_X_M_PER_SEC	2816	/* m s-1	*/
#define MDC_DIM_KILO_M_PER_SEC	2819	/* km s-1	*/
#define MDC_DIM_CENTI_M_PER_SEC	2833	/* cm s-1	*/
#define MDC_DIM_MILLI_M_PER_SEC	2834	/* mm s-1	*/
#define MDC_DIM_X_L_PER_MIN_PER_M_SQ	2848	/* L min-1 m-2	*/
#define MDC_DIM_L_PER_MIN_PER_M_SQ	2848	/* L min-1 m-2	*/
#define MDC_DIM_MILLI_L_PER_MIN_PER_M_SQ	2866	/* L min-1 m-2	*/
#define MDC_DIM_SQ_X_M_PER_SEC	2880	/* m ² s-1	*/
#define MDC_DIM_SQ_CENTI_M_PER_SEC	2897	/* m ² s-1	*/
#define MDC_DIM_CUBIC_X_M_PER_SEC	2912	/* m ³ s-1	*/
#define MDC_DIM_CUBIC_CENTI_M_PER_SEC	2929	/* m ³ s-1	*/
#define MDC_DIM_CUBIC_X_M_PER_MIN	2944	/*	*/
#define MDC_DIM_CUBIC_X_M_PER_HR	2976	/*	*/
#define MDC_DIM_CUBIC_X_M_PER_DAY	3008	/*	*/
#define MDC_DIM_X_L_PER_SEC	3040	/* L s-1	*/
#define MDC_DIM_L_PER_SEC	3040	/* L s-1	*/
#define MDC_DIM_MILLI_L_PER_SEC	3058	/* mL s-1	*/
#define MDC_DIM_X_L_PER_MIN	3072	/* L min-1	*/
#define MDC_DIM_L_PER_MIN	3072	/* L min-1	*/
#define MDC_DIM_DECI_L_PER_MIN	3088	/* dL min-1	*/
#define MDC_DIM_MILLI_L_PER_MIN	3090	/* mL min-1	*/
#define MDC_DIM_MICRO_L_PER_MIN	3091	/* uL min-1	*/
#define MDC_DIM_X_L_PER_HR	3104	/* L h-1	*/
#define MDC_DIM_MILLI_L_PER_HR	3122	/* mL h-1	*/
#define MDC_DIM_X_L_PER_DAY	3136	/* L d-1	*/
#define MDC_DIM_MILLI_L_PER_DAY	3154	/* mL d-1	*/
#define MDC_DIM_X_L_PER_KG	3168	/*	*/
#define MDC_DIM_L_PER_KG	3168	/*	*/
#define MDC_DIM_MILLI_L_PER_KG	3186	/*	*/

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#define MDC_DIM_CUBIC_X_L_PER_KG	3200	/*	*/
#define MDC_DIM_X_M_PER_PASCAL_SEC	3232	/*	*/
#define MDC_DIM_X_L_PER_MIN_PER_ML_HG	3264	/*	*/
#define MDC_DIM_X_G_PER_SEC	3296	/*	*/
#define MDC_DIM_KILO_G_PER_SEC	3299	/* kg s-1	*/
#define MDC_DIM_X_G_PER_MIN	3328	/* g m-1	*/
#define MDC_DIM_KILO_G_PER_MIN	3331	/* kg m-1	*/
#define MDC_DIM_MILLI_G_PER_MIN	3346	/* mg m-1	*/
#define MDC_DIM_MICRO_G_PER_MIN	3347	/* ug m-1	*/
#define MDC_DIM_NANO_G_PER_MIN	3348	/* ng m-1	*/
#define MDC_DIM_X_G_PER_HR	3360	/* g h-1	*/
#define MDC_DIM_KILO_G_PER_HR	3363	/* kg h-1	*/
#define MDC_DIM_MILLI_G_PER_HR	3378	/* mg h-1	*/
#define MDC_DIM_MICRO_G_PER_HR	3379	/* ug h-1	*/
#define MDC_DIM_NANO_G_PER_HR	3380	/* ng h-1	*/
#define MDC_DIM_X_G_PER_DAY	3392	/*	*/
#define MDC_DIM_KILO_G_PER_DAY	3395	/* kg d-1	*/
#define MDC_DIM_MILLI_G_PER_DAY	3410	/* mg d-1	*/
#define MDC_DIM_MICRO_G_PER_DAY	3411	/* ug d-1	*/
#define MDC_DIM_NANO_G_PER_DAY	3412	/* ng d-1	*/
#define MDC_DIM_X_G_PER_KG_PER_SEC	3424	/*	*/
#define MDC_DIM_X_G_PER_KG_PER_MIN	3456	/* g kg-1 m	*/
#define MDC_DIM_MILLI_G_PER_KG_PER_MIN	3474	/* mg kg-1 m	*/
#define MDC_DIM_MICRO_G_PER_KG_PER_MIN	3475	/* ug kg-1 m	*/
#define MDC_DIM_NANO_G_PER_KG_PER_MIN	3476	/* ng kg-1 m	*/
#define MDC_DIM_X_G_PER_KG_PER_HR	3488	/* g kg-1 h	*/
#define MDC_DIM_MILLI_G_PER_KG_PER_HR	3506	/* mg kg-1 h	*/
#define MDC_DIM_MICRO_G_PER_KG_PER_HR	3507	/* ug kg-1 h	*/
#define MDC_DIM_NANO_G_PER_KG_PER_HR	3508	/* ng kg-1 h	*/
#define MDC_DIM_X_G_PER_KG_PER_DAY	3520	/*	*/
#define MDC_DIM_MILLI_G_PER_KG_PER_DAY	3538	/*	*/

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#define MDC_DIM_MICRO_G_PER_KG_PER_DAY	3539	/*	*/
#define MDC_DIM_NANO_G_PER_KG_PER_DAY	3540	/*	*/
#define MDC_DIM_X_G_PER_L_PER_SEC	3552	/*	*/
#define MDC_DIM_KILO_G_PER_L_SEC	3555	/* kg L ⁻¹ s ⁻¹	*/
#define MDC_DIM_X_G_PER_L_PER_MIN	3584	/*	*/
#define MDC_DIM_X_G_PER_L_PER_HR	3616	/*	*/
#define MDC_DIM_X_G_PER_L_PER_DAY	3648	/*	*/
#define MDC_DIM_X_G_PER_M_PER_SEC	3680	/*	*/
#define MDC_DIM_KILO_G_PER_M_PER_SEC	3683	/* kg m ⁻¹ s ⁻¹	*/
#define MDC_DIM_X_G_M_PER_SEC	3712	/*	*/
#define MDC_DIM_KILO_G_M_PER_SEC	3715	/* kg m s ⁻¹	*/
#define MDC_DIM_X_NEWTON_SEC	3744	/* N s	*/
#define MDC_DIM_X_NEWTON	3776	/* N	*/
#define MDC_DIM_X_DYNE	3808	/*	*/
#define MDC_DIM_X_PASCAL	3840	/* Pa	*/
#define MDC_DIM_HECTO_PASCAL	3842	/* hPa	*/
#define MDC_DIM_KILO_PASCAL	3843	/* kPa	*/
#define MDC_DIM_MMHG	3872	/* mmHg	*/
#define MDC_DIM_CM_H2O	3904	/* cm H2O	*/
#define MDC_DIM_X_BAR	3936	/* bar	*/
#define MDC_DIM_MILLI_BAR	3954	/* mbar	*/
#define MDC_DIM_X_JOULES	3968	/* J	*/
#define MDC_DIM_X_EVOLT	4000	/* eV	*/
#define MDC_DIM_X_WATT	4032	/* W	*/
#define MDC_DIM_WATT	4032	/* W	*/
#define MDC_DIM_MILLI_WATT	4050	/* mW	*/
#define MDC_DIM_MICRO_WATT	4051	/* uW	*/
#define MDC_DIM_NANO_WATT	4052	/* nW	*/
#define MDC_DIM_PICO_WATT	4053	/* pW	*/
#define MDC_DIM_X_PASCAL_SEC_PER_M_CUBE	4064	/*	*/
#define MDC_DIM_X_PASCAL_SEC_PER_L	4096	/*	*/

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#define MDC_DIM_HECTO_PASCAL_SEC_PER_L	4098	/*	*/
#define MDC_DIM_X_AMPS	4160	/* A	*/
#define MDC_DIM_MILLI_AMPS	4178	/* mA	*/
#define MDC_DIM_X_COULOMB	4192	/* C	*/
#define MDC_DIM_X_AMPS_PER_M	4224	/*	*/
#define MDC_DIM_X_VOLT	4256	/* V	*/
#define MDC_DIM_MILLI_VOLT	4274	/* mV	*/
#define MDC_DIM_MICRO_VOLT	4275	/* uV	*/
#define MDC_DIM_NANO_VOLT	4276	/* nV	*/
#define MDC_DIM_X_OHM	4288	/*	*/
#define MDC_DIM_OHM	4288	/*	*/
#define MDC_DIM_KILO_OHM	4291	/*	*/
#define MDC_DIM_MEGA_OHM	4292	/*	*/
#define MDC_DIM_MILLI_OHM	4306	/*	*/
#define MDC_DIM_X_OHM_M	4320	/*	*/
#define MDC_DIM_X_FARAD	4352	/* F	*/
#define MDC_DIM_KELVIN	4384	/* °K	*/
#define MDC_DIM_FAHR	4416	/* °F	*/
#define MDC_DIM_KELVIN_PER_X_WATT	4448	/*	*/
#define MDC_DIM_X_CANDELA	4480	/* cd	*/
#define MDC_DIM_X_OSM	4512	/* osm	*/
#define MDC_DIM_MILLI_OSM	4530	/* mosm	*/
#define MDC_DIM_X_MOLE	4544	/* mol	*/
#define MDC_DIM_MILLI_MOLE	4562	/* mmol	*/
#define MDC_DIM_X_EQUIV	4576	/*	*/
#define MDC_DIM_MILLI_EQUIV	4594	/*	*/
#define MDC_DIM_X_OSM_PER_L	4608	/* osm L-1	*/
#define MDC_DIM_MILLI_OSM_PER_L	4626	/* mosm L-1	*/
#define MDC_DIM_X_MOLE_PER_CM_CUBE	4640	/*	*/
#define MDC_DIM_X_MOLE_PER_M_CUBE	4672	/*	*/
#define MDC_DIM_X_MOLE_PER_L	4704	/*	*/

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#define MDC_DIM_MILLI_MOLE_PER_L	4722	/* mmol L-1	*/
#define MDC_DIM_MICRO_MOLE_PER_L	4723	/* umol L-1	*/
#define MDC_DIM_X_MOLE_PER_ML	4736	/*	*/
#define MDC_DIM_MILLI_MOLE_PER_ML	4754	/*	*/
#define MDC_DIM_X_EQUIV_PER_CM_CUBE	4768	/*	*/
#define MDC_DIM_X_EQUIV_PER_M_CUBE	4800	/*	*/
#define MDC_DIM_X_EQUIV_PER_L	4832	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_L	4850	/* mmeq L-1	*/
#define MDC_DIM_X_EQUIV_PER_ML	4864	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_ML	4882	/*	*/
#define MDC_DIM_X_OSM_PER_KG	4896	/*	*/
#define MDC_DIM_X_MOLE_PER_KG	4928	/*	*/
#define MDC_DIM_MILLI_MOLE_PER_KG	4946	/*	*/
#define MDC_DIM_X_MOLE_PER_SEC	4960	/*	*/
#define MDC_DIM_X_MOLE_PER_MIN	4992	/*	*/
#define MDC_DIM_MILLI_MOLE_PER_MIN	5010	/*	*/
MDC_DIM_X_MOLE_PER_HR	5024	/*	*/
#define MDC_DIM_MILLI_MOLE_PER_HR	5042	/*	*/
#define MDC_DIM_X_MOLE_PER_DAY	5056	/*	*/
#define MDC_DIM_MILLI_MOLE_PER_DAY	5074	/*	*/
#define MDC_DIM_X_EQUIV_PER_SEC	5088	/*	*/
#define MDC_DIM_X_EQUIV_PER_MIN	5120	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_MIN	5138	/*	*/
#define MDC_DIM_X_EQUIV_PER_HR	5152	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_HR	5170	/*	*/
#define MDC_DIM_X_EQUIV_PER_DAY	5184	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_DAY	5202	/* meq d-1	*/
#define MDC_DIM_X_MOLE_PER_KG_PER_SEC	5216	/*	*/
#define MDC_DIM_X_MOLE_PER_KG_PER_MIN	5248	/*	*/
#define MDC_DIM_MILLI_MOLE_PER_KG_PER_MIN	5266	/*	*/
#define MDC_DIM_X_MOLE_PER_KG_PER_HR	5280	/*	*/

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#define MDC_DIM_MILLI_MOLE_PER_KG_PER_HR	5298	/*	*/
#define MDC_DIM_X_MOLE_PER_KG_PER_DAY	5312	/*	*/
#define MDC_DIM_MILLI_MOLE_PER_KG_PER_DAY	5330	/*	*/
#define MDC_DIM_X_EQUIV_PER_KG_PER_SEC	5344	/*	*/
#define MDC_DIM_X_EQUIV_PER_KG_PER_MIN	5376	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_KG_PER_MIN	5394	/*	*/
#define MDC_DIM_X_EQUIV_PER_KG_PER_HR	5408	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_KG_PER_HR	5426	/*	*/
#define MDC_DIM_X_EQUIV_PER_KG_PER_DAY	5440	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_KG_PER_DAY	5458	/*	*/
#define MDC_DIM_X_INTL_UNIT	5472	/* i.u.	*/
#define MDC_DIM_INTL_UNIT	5472	/* i.u.	*/
#define MDC_DIM_KILO_INTL_UNIT	5475	/* ki.u.	*/
#define MDC_DIM_MEGA_INTL_UNIT	5476	/* Mi.u.	*/
#define MDC_DIM_MILLI_INTL_UNIT	5490	/* mi.u.	*/
#define MDC_DIM_X_INTL_UNIT_PER_CM_CUBE	5504	/* i.u.cm-3	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_CM_CUBE	5522	/* mi.u.cm-	*/
#define MDC_DIM_X_INTL_UNIT_PER_M_CUBE	5536	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_L	5568	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_ML	5600	/* i.u.mL-1	*/
#define MDC_DIM_KILO_INTL_UNIT_PER_ML	5603	/* ki.u.mL-1	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_ML	5604	/* Mi.u.mL-1	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_ML	5618	/* mi.u.mL-1	*/
#define MDC_DIM_X_INTL_UNIT_PER_SEC	5632	/*	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_SEC	5636	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_MIN	5664	/*	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_MIN	5668	/*	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_MIN	5682	/* mi.u.min-1	*/
#define MDC_DIM_X_INTL_UNIT_PER_HR	5696	/* i.u.h-1	*/
#define MDC_DIM_KILO_INTL_UNIT_PER_HR	5699	/* ki.u.h-1	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_HR	5700	/* Mi.u.h-1	*/

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#define MDC_DIM_MILLI_INTL_UNIT_PER_HR	5714	/* mi.u.h-1	*/
#define MDC_DIM_X_INTL_UNIT_PER_DAY	5728	/*	*/
#define MDC_DIM_KILO_INTL_UNIT_PER_DAY	5731	/*	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_DAY	5732	/*	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_DAY	5746	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_KG_PER_SEC	5760	/*	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_KG_PER_SEC	5764	/*	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_KG_PER_SEC	5778	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_KG_PER_MIN	5792	/* i.u.kg-1.min-1	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_KG_PER_MIN	5796	/* Mi.u.kg-1.min-1	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_KG_PER_MIN	5810	/* mi.u.kg-1.min-1	*/
#define MDC_DIM_X_INTL_UNIT_PER_KG_PER_HR	5824	/* i.u.kg-1.h-1	*/
#define MDC_DIM_KILO_INTL_UNIT_PER_KG_PER_HR	5827	/* ki.u.kg-1.h-1	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_KG_PER_HR	5828	/* Mi.u.kg-1.h-1	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_KG_PER_HR	5842	/* mi.u.kg-1.h-1	*/
#define MDC_DIM_X_INTL_UNIT_PER_KG_PER_DAY	5856	/*	*/
#define MDC_DIM_KILO_INTL_UNIT_PER_KG_PER_DAY	5859	/*	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_KG_PER_DAY	5860	/*	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_KG_PER_DAY	5874	/*	*/
#define MDC_DIM_X_L_PER_CM_H2O	5888	/*	*/
#define MDC_DIM_MILLI_L_PER_CM_H2O	5906	/* mL (cmH2O)	*/
#define MDC_DIM_CM_H2O_PER_L_PER_SEC	5920	/* cmH2O L-1 s-1	*/
#define MDC_DIM_X_L_SQ_PER_SEC	5952	/*	*/
#define MDC_DIM_MILLI_L_SQ_PER_SEC	5970	/* mL ² s-1	*/
#define MDC_DIM_CM_H2O_PER_PERCENT	5984	/*	*/
#define MDC_DIM_DYNE_SEC_PER_M_SQ_PER_CM_5	6016	/* dyne s m-2 cm-5	*/
#define MDC_DIM_DEGC	6048	/* °C	*/
#define MDC_DIM_X_AMP_HR	6080	/*	*/
#define MDC_DIM_MILLI_AMP_HR	6098	/* mAh	*/
#define MDC_DIM_X_L_PER_BEAT	6112	/*	*/
#define MDC_DIM_MILLI_L_PER_BEAT	6130	/*	*/

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#define MDC_DIM_CM_H2O_PER_L	6144	/*	*/
#define MDC_DIM_MM_HG_PER_PERCENT	6176	/*	*/
#define MDC_DIM_X_PA_PER_PERCENT	6208	/*	*/
#define MDC_DIM_VOL_PERCENT	6240	/*	*/
#define MDC_DIM_X_L_PER_MM_HG	6272	/*	*/
#define MDC_DIM_X_L_PER_MM_PA	6304	/*	*/
#define MDC_DIM_MM_HG_PER_X_L	6336	/*	*/
#define MDC_DIM_MM_HG_PER_L	6336	/*	*/
#define MDC_DIM_PA_PER_X_L	6368	/*	*/
#define MDC_DIM_X_L_PER_DL	6400	/*	*/
#define MDC_DIM_MILLI_L_PER_DL	6418	/*	*/
#define MDC_DIM_DECIBEL	6432	/*	*/
#define MDC_DIM_X_G_PER_MG	6464	/*	*/
#define MDC_DIM_MILLI_G_PER_MG	6482	/*	*/
#define MDC_DIM_BEAT_PER_MIN_PER_X_L	6496	/*	*/
#define MDC_DIM_BEAT_PER_MIN_PER_MILLI_L	6514	/*	*/
#define MDC_DIM_PER_X_L_PER_MIN	6528	/*	*/
#define MDC_DIM_PER_L_PER_MIN	6528	/*	*/
#define MDC_DIM_X_M_PER_MIN	6560	/*	*/
#define MDC_DIM_CENTI_M_PER_MIN	6577	/*	*/
#define MDC_DIM_PSI	6592	/*	*/
#define MDC_DIM_X_M_PER_SEC_SQ	6624	/*	*/
#define MDC_DIM_CENTI_M_PER_SEC_SQ	6641	/*	*/
#define MDC_DIM_X_RAD_PER_SEC_SQ	6656	/*	*/
#define MDC_DIM_X_RAD_PER_SEC	6688	/*	*/
#define MDC_DIM_X_LUMEN_PER_M_SQ	6720	/*	*/
#define MDC_DIM_X_G_PER_LB_PER_HR	6752	/*	*/
#define MDC_DIM_MILLI_G_PER_LB_PER_HR	6770	/*	*/
#define MDC_DIM_MICRO_G_PER_LB_PER_HR	6771	/*	*/
#define MDC_DIM_NANO_G_PER_LB_PER_HR	6772	/*	*/
#define MDC_DIM_X_G_PER_LB_PER_MIN	6784	/*	*/

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#define MDC_DIM_MILLI_G_PER_LB_PER_MIN	6802	/*	*/
#define MDC_DIM_MICRO_G_PER_LB_PER_MIN	6803	/*	*/
#define MDC_DIM_NANO_G_PER_LB_PER_MIN	6804	/*	*/
#define MDC_DIM_X_G_PER_M_SQ_PER_HR	6816	/*	*/
#define MDC_DIM_MILLI_G_PER_M_SQ_PER_HR	6834	/*	*/
#define MDC_DIM_MICRO_G_PER_M_SQ_PER_HR	6835	/*	*/
#define MDC_DIM_NANO_G_PER_M_SQ_PER_HR	6836	/*	*/
#define MDC_DIM_X_G_PER_M_SQ_PER_MIN	6848	/*	*/
#define MDC_DIM_MILLI_G_PER_M_SQ_PER_MIN	6866	/*	*/
#define MDC_DIM_MICRO_G_PER_M_SQ_PER_MIN	6867	/*	*/
#define MDC_DIM_NANO_G_PER_M_SQ_PER_MIN	6868	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_LB_PER_DAY	6880	/*	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_LB_PER_DAY	6898	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_LB_PER_MIN	6912	/*	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_LB_PER_MIN	6930	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_M_SQ_PER_HR	6944	/*	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_M_SQ_PER_HR	6948	/*	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_M_SQ_PER_HR	6962	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_M_SQ_PER_MIN	6976	/*	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_M_SQ_PER_MIN	6980	/*	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_M_SQ_PER_MIN	6994	/*	*/
#define MDC_DIM_X_EQUIV_PER_LB_PER_HR	7008	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_LB_PER_HR	7026	/*	*/
#define MDC_DIM_X_EQUIV_PER_LB_PER_MIN	7040	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_LB_PER_MIN	7058	/*	*/
#define MDC_DIM_X_EQUIV_PER_M_SQ_PER_HR	7072	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_M_SQ_PER_HR	7090	/*	*/
#define MDC_DIM_X_EQUIV_PER_M_SQ_PER_MIN	7104	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_M_SQ_PER_MIN	7122	/*	*/
#define MDC_DIM_X_EQUIV_PER_M_SQ_PER_DAY	7136	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_M_SQ_PER_DAY	7154	/*	*/

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#define MDC_DIM_X_G_PER_M_SQ_PER_DAY	7168	/*	*/
#define MDC_DIM_MILLI_G_PER_M_SQ_PER_DAY	7186	/*	*/
#define MDC_DIM_MICRO_G_PER_M_SQ_PER_DAY	7187	/*	*/
#define MDC_DIM_NANO_G_PER_M_SQ_PER_DAY	7188	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_M_SQ_PER_DAY	7200	/*	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_M_SQ_PER_DAY	7204	/*	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_M_SQ_PER_DAY	7218	/*	*/
#define MDC_DIM_X_L_PER_KG_PER_HR	7232	/*	*/
#define MDC_DIM_MILLI_L_PER_KG_PER_HR	7250	/*	*/
#define MDC_DIM_X_L_PER_KG_PER_MIN	7264	/*	*/
#define MDC_DIM_MILLI_L_PER_KG_PER_MIN	7282	/*	*/
#define MDC_DIM_X_L_PER_KG_PER_DAY	7296	/*	*/
#define MDC_DIM_MILLI_L_PER_KG_PER_DAY	7314	/*	*/
#define MDC_DIM_X_L_PER_M_SQ_PER_MIN	7328	/*	*/
#define MDC_DIM_MILLI_L_PER_M_SQ_PER_MIN	7346	/*	*/
#define MDC_DIM_X_L_PER_M_SQ_PER_HR	7360	/*	*/
#define MDC_DIM_MILLI_L_PER_M_SQ_PER_HR	7378	/*	*/
#define MDC_DIM_X_L_PER_M_SQ_PER_DAY	7392	/*	*/
#define MDC_DIM_MILLI_L_PER_M_SQ_PER_DAY	7410	/*	*/
#define MDC_DIM_X_MOLE_PER_M_SQ_PER_SEC	7424	/*	*/
#define MDC_DIM_MILLI_MOLE_PER_M_SQ_PER_SEC	7442	/*	*/
#define MDC_DIM_X_MOLE_PER_M_SQ_PER_MIN	7456	/*	*/
#define MDC_DIM_MILLI_MOLE_PER_M_SQ_PER_MIN	7474	/*	*/
#define MDC_DIM_X_MOLE_PER_M_SQ_PER_HR	7488	/*	*/
#define MDC_DIM_MILLI_MOLE_PER_M_SQ_PER_HR	7506	/*	*/
#define MDC_DIM_X_MOLE_PER_M_SQ_PER_DAY	7520	/*	*/
#define MDC_DIM_MILLI_MOLE_PER_M_SQ_PER_DAY	7538	/*	*/
#define MDC_DIM_X_MOLE_PER_M_SQ	7552	/*	*/
#define MDC_DIM_MILLI_MOLE_PER_M_SQ	7570	/*	*/
#define MDC_DIM_X_EQUIV_PER_KG	7584	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_KG	7602	/*	*/

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#define MDC_DIM_X_EQUIV_PER_M_SQ	7616	/*	*/
#define MDC_DIM_MILLI_EQUIV_PER_M_SQ	7634	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_M_SQ_PER_SEC	7648	/*	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_M_SQ_PER_SEC	7652	/*	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_M_SQ_PER_SEC	7666	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_KG	7680	/*	*/
#define MDC_DIM_KILO_INTL_UNIT_PER_KG	7683	/*	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_KG	7684	/*	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_KG	7698	/*	*/
#define MDC_DIM_MICRO_INTL_UNIT_PER_KG	7699	/*	*/
#define MDC_DIM_NANO_INTL_UNIT_PER_KG	7700	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_M_SQ	7712	/*	*/
#define MDC_DIM_MEGA_INTL_UNIT_PER_M_SQ	7716	/*	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_M_SQ	7730	/*	*/
#define MDC_DIM_MICRO_INTL_UNIT_PER_M_SQ	7731	/*	*/
#define MDC_DIM_NANO_INTL_UNIT_PER_M_SQ	7732	/*	*/
#define MDC_DIM_X_G_PER_M_SQ	7744	/*	*/
#define MDC_DIM_KILO_G_PER_M_SQ	7747	/*	*/
#define MDC_DIM_MILLI_G_PER_M_SQ	7762	/*	*/
#define MDC_DIM_MICRO_G_PER_M_SQ	7763	/*	*/
#define MDC_DIM_NANO_G_PER_M_SQ	7764	/*	*/
#define MDC_DIM_BOOLEAN	7776	/*	*/
#define MDC_DIM_DECIBEL_X_VOLT	7808	/*	*/
#define MDC_DIM_DECIBEL_10_X_VOLT	7840	/*	*/
#define MDC_DIM_DECIBEL_10_NANO_VOLT	7860	/*	*/
#define MDC_DIM_DECIBEL_X_WATT	7872	/*	*/
#define MDC_DIM_SQ_X_CM	8032	/*	*/
#define MDC_DIM_PER_X_SEC_SQ	8064	/*	*/
#define MDC_DIM_PER_HECTO_SEC_SQ	8066	/*	*/
#define MDC_DIM_X_ROTATIONS_PER_MIN	8096	/*	*/
#define MDC_DIM_X_DROPS_PER_MIN	8128	/*	*/

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#define MDC_DIM_X_L_PER_CM_H2O_PER_KG	8160	/*	*/
#define MDC_DIM_MILLI_L_PER_CM_H2O_PER_KG	8178	/*	*/
#define MDC_DIM_X_TESLA	8192	/*	*/
#define MDC_DIM_X_VOLT_SEC	8224	/*	*/
#define MDC_DIM_NANO_VOLT_SEC	8244	/*	*/
#define MDC_DIM_X_VOLT_PER_SEC	8256	/*	*/
#define MDC_DIM_MICRO_VOLT_PER_SEC	8275	/*	*/
#define MDC_DIM_PER_X_OHM	8288	/*	*/
#define MDC_DIM_PER_KILO_OHM	8291	/*	*/
#define MDC_DIM_DYNE_SEC_M_SO_PER_CM_5	8320	/*	*/
#define MDC_DIM_X_CAL	8352	/*	*/
#define MDC_DIM_KILO_CAL	8355	/*	*/
#define MDC_DIM_X_NUTR_CAL	8384	/*	*/
#define MDC_DIM_X_CAL_PER_DAY	8416	/*	*/
#define MDC_DIM_KILO_CAL_PER_DAY	8419	/*	*/
#define MDC_DIM_X_JOULES_PER_BREATH	8448	/*	*/
#define MDC_DIM_JOULES_PER_BREATH	8448	/*	*/
#define MDC_DIM_X_JOULES_PER_L	8480	/*	*/
#define MDC_DIM_JOULES_PER_L	8480	/*	*/
#define MDC_DIM_DYNE_SEC_PER_CM_5	8512	/*	*/
#define MDC_DIM_MMHG_SEC_PER_ML	8544	/*	*/
#define MDC_DIM_MMHG_MIN_PER_L	8576	/*	*/
#define MDC_DIM_BIT	8608	/*	*/
#define MDC_DIM_BYTE	8640	/*	*/
#define MDC_DIM_DROPS_PER_X_L	8672	/*	*/
#define MDC_DIM_DROPS_PER_MILLI_L	8690	/*	*/
#define MDC_DIM_BREATHS_PER_MIN_PER_X_L	8704	/*	*/
#define MDC_DIM_BREATHS_PER_MIN_PER_L	8704	/*	*/
#define MDC_DIM_BREATHS_PER_MIN_PER_MILLI_L	8722	/*	*/
#define MDC_DIM_SQUARE_BREATHS_PER_MIN_PER_L	8736	/*	*/
#define MDC_DIM_X_L_PER_MIN_PER_KG	8768	/*	*/

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#define MDC_DIM_MILLI_L_PER_MIN_PER_KG	8786	/*	*/
#define MDC_DIM_O2_SAT_PERCENT_SEC	8800	/*	*/
#define MDC_DIM_X_M_PER_VOLT	8832	/*	*/
#define MDC_DIM_X_G_FORCE_M	8864	/*	*/
#define MDC_DIM_KILO_G_FORCE_M	8867	/*	*/
#define MDC_DIM_X_G_FORCE_M_PER_L	8896	/*	*/
#define MDC_DIM_KILO_G_FORCE_M_PER_L	8899	/*	*/
#define MDC_DIM_X_G_FORCE_M_PER_M_SQ	8928	/*	*/
#define MDC_DIM_G_FORCE_M_PER_M_SQ	8928	/*	*/
#define MDC_DIM_KILO_G_FORCE_M_PER_M_SQ	8931	/*	*/
#define MDC_DIM_X_CAL_PER_KG	8960	/*	*/
#define MDC_DIM_X_CAL_PER_KG_PER_DAY	8992	/*	*/
#define MDC_DIM_X_CAL_PER_ML	9024	/*	*/
#define MDC_DIM_X_ARB_UNIT	9056	/*	*/
#define MDC_DIM_KILO_ARB_UNIT	9059	/*	*/
#define MDC_DIM_MEGA_ARB_UNIT	9060	/*	*/
#define MDC_DIM_MILLI_ARB_UNIT	9074	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_CM_CUBE	9088	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_M_CUBE	9120	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_L	9152	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_ML	9184	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_SEC	9216	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_MIN	9248	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_HR	9280	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_DAY	9312	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_KG	9344	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_M_SQ	9376	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_KG_PER_SEC	9408	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_KG_PER_MIN	9440	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_KG_PER_HR	9472	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_KG_PER_DAY	9504	/*	*/

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#define MDC_DIM_X_ARB_UNIT_PER_LB_PER_MIN	9536	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_LB_PER_DAY	9568	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_M_SQ_PER_SEC	9600	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_M_SQ_PER_MIN	9632	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_M_SQ_PER_HR	9664	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_M_SQ_PER_DAY	9696	/*	*/
#define MDC_DIM_X_USP_UNIT	9728	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_CM_CUBE	9760	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_M_CUBE	9792	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_L	9824	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_ML	9856	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_SEC	9888	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_MIN	9920	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_HR	9952	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_DAY	9984	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_KG	10016	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_M_SQ	10048	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_KG_PER_SEC	10080	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_KG_PER_MIN	10112	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_KG_PER_HR	10144	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_KG_PER_DAY	10176	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_LB_PER_MIN	10208	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_LB_PER_DAY	10240	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_M_SQ_PER_SEC	10272	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_M_SQ_PER_MIN	10304	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_M_SQ_PER_HR	10336	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_M_SQ_PER_DAY	10368	/*	*/
#define MDC_DIM_X_INTL_UNIT_PER_LB_PER_HR	10400	/*	*/
#define MDC_DIM_MILLI_INTL_UNIT_PER_LB_PER_HR	10418	/*	*/
#define MDC_DIM_X_ARB_UNIT_PER_LB_PER_HR	10432	/*	*/
#define MDC_DIM_X_USP_UNIT_PER_LB_PER_HR	10464	/*	*/

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#define MDC_DIM_X_JOULES_PER_DAY	10496	/*	*/
#define MDC_DIM_X_JOULES_PER_ML	10528	/*	*/
#define MDC_DIM_VOL_PERCENT_PER_L	10560	/*	*/
#define MDC_DIM_X_PASCAL_PER_L	10592	/*	*/
#define MDC_DIM_KILO_PASCAL_PER_L	10595	/*	*/
#define MDC_DIM_X_PASCAL_PER_ML	10624	/*	*/
#define MDC_DIM_X_BAR_PER_L	10656	/*	*/
#define MDC_DIM_X_BAR_PER_L_PER_10	10688	/*	*/
#define MDC_DIM_X_BAR_PER_ML	10720	/*	*/
#define MDC_DIM_X_BAR_SEC_PER_L	10752	/*	*/
#define MDC_DIM_MILLI_BAR_SEC_PER_L	10770	/*	*/
#define MDC_DIM_X_BAR_SEC_PER_L_PER_10	10784	/*	*/
#define MDC_DIM_X_L_PER_HPA	10816	/*	*/
#define MDC_DIM_MILLI_L_PER_HPA	10834	/*	*/
#define MDC_DIM_X_L_PER_BAR	10848	/*	*/
#define MDC_DIM_X_L_PER_MBAR	10880	/*	*/
#define MDC_DIM_MILLI_L_PER_MBAR	10898	/*	*/
#define MDC_DIM_X_JOULES_PER_L_PER_SEC	10912	/*	*/
#define MDC_DIM_JOULES_PER_L_PER_SEC	10912	/*	*/
#define MDC_DIM_MM_HG_PER_MIN	10944	/*	*/
#define MDC_DIM_MM_HG_PER_SEC	10976	/*	*/
#define MDC_DIM_X_BAR_PER_SEC	11008	/*	*/
#define MDC_DIM_CM_H2O_PER_SEC	11040	/*	*/
#define MDC_DIM_PERCENT_PER_HALF_HOUR	11072	/*	*/
#define MDC_DIM_X_L_PER_BEAT_PER_M2	11104	/*	*/
#define MDC_DIM_X_VOLT_PER_CM	11136	/*	*/
#define MDC_DIM_X_WATT_PER_CM2_PER_NM	11168	/*	*/
#define MDC_DIM_CM_H2O_PER_UV	11200	/*	*/
#define MDC_DIM_CM_H2O_SEC_PER_BREATH	11232	/*	*/
#define MDC_DIM_CM_H2O_SEC_PER_MIN	11264	/*	*/
#define MDC_DIM_X_BAR_SEC_PER_BREATH	11296	/*	*/

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#define MDC_DIM_MILLI_BAR_SEC_PER_BREATH	11314	/*	*/
#define MDC_DIM_X_G_FORCE_M_PER_MIN_PER_M2	11328	/*	*/
#define MDC_DIM_G_FORCE_M_PER_MIN_PER_M2	11328	/*	*/
#define MDC_DIM_KILO_G_FORCE_M_PER_MIN_PER_M2	11331	/*	*/
#define MDC_DIM_X_WATT_PER_HZ	11360	/*	*/
#define MDC_DIM_PICO_WATT_PER_HZ	11381	/*	*/
#define MDC_DIM_INR	11392	/*	*/
#define MDC_DIM_X_JOULES_PER_L_PER_KG	11424	/*	*/
#define MDC_DIM_X_JOULES_PER_ML_PER_KG	11456	/*	*/
#define MDC_DIM_JOULES_PER_ML_PER_KG	11456	/*	*/
#define MDC_DIM_MICRO_ABSORBANCE	11488	/*	*/
#define MDC_DIM_STEP	11520	/*	*/
#define MDC_DIM_FOOT_PER_MIN	11552	/*	*/
#define MDC_DIM_INCH_PER_MIN	11584	/*	*/
#define MDC_DIM_STEP_PER_MIN	11616	/*	*/
#define MDC_DIM_TICK	11648	/*	*/
#define MDC_DIM_X_G_PER_DL_PER_MIN	11680	/*	*/
#define MDC_DIM_X_MOLE_PER_L_PER_MIN	11712	/*	*/
#define MDC_DIM_X_EVT_PER_HR	11744	/*	*/
#define MDC_DIM_X_WATT_HR	11776	/*	*/
#define MDC_DIM_KILO_WATT_HR	11779	/*	*/
#define MDC_DIM_X_CAL_PER_HR	11808	/*	*/
#define MDC_DIM_X_CAL_PER_KG_PER_HR	11840	/*	*/
#define MDC_DIM_PARTS_PER_10_TO_15	11872	/*	*/
#define MDC_DIM_X_LUMEN	11904	/*	*/
#define MDC_DIM_X_ROTATIONS	11936	/*	*/
#define MDC_DIM_INHG	11968	/*	*/
#define MDC_DIM_X_M_PER_HR	12000	/*	*/
#define MDC_DIM_KILO_M_PER_HR	12003	/*	*/
#define MDC_DIM_MPH	12032	/*	*/

B.6 Virtual attributes – Partition 5

```

/* Virtual attributes definitions                                     Partition: 5          */
/* This subclause remains to be defined                           */

```

B.7 Parameter groups – Partition 6

```

/* Parameter group definitions                                     Partition: 6          */
#define MDC_PGRP_HEMO                                           513    /* */
#define MDC_PGRP_ECG                                           514    /* */
#define MDC_PGRP_RESP                                           515    /* */
#define MDC_PGRP_VENT                                           516    /* */
#define MDC_PGRP_NEURO                                          517    /* */
#define MDC_PGRP_DRUG                                           518    /* */
#define MDC_PGRP_FLUID                                          519    /* */
#define MDC_PGRP_BLOOD_CHEM                                     520    /* */
#define MDC_PGRP_MISC                                           521    /* */

```

B.8 Body Sites – Partition 7

```

/* Block: BODY SITES                                           Partition: 7          */
Description: Body Sites                                         */
#define MDC_NERV                                               4      /* */
#define MDC_NERV_L                                             5      /* */
#define MDC_NERV_R                                             6      /* */
#define MDC_NERV_CRAN                                          8      /* */
#define MDC_NERV_CRAN_L                                        9      /* */
#define MDC_NERV_CRAN_R                                       10     /* */
#define MDC_NERV_CRAN_OPTIC                                   12     /* */
#define MDC_NERV_CRAN_OPTIC_L                                 13     /* */
#define MDC_NERV_CRAN_OPTIC_R                                 14     /* */
#define MDC_NERV_CRAN_OCULUMOTOR                             16     /* */
#define MDC_NERV_CRAN_OCULUMOTOR_L                           17     /* */
#define MDC_NERV_CRAN_OCULUMOTOR_R                           18     /* */

```

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#define MDC_NERV_CRAN_TROCHLEAR	20	/ *	*/
#define MDC_NERV_CRAN_TROCHLEAR_L	21	/ *	*/
#define MDC_NERV_CRAN_TROCHLEAR_R	22	/ *	*/
#define MDC_NERV_CRAN_TRIGEMIN	24	/ *	*/
#define MDC_NERV_CRAN_TRIGEMIN_L	25	/ *	*/
#define MDC_NERV_CRAN_TRIGEMIN_R	26	/ *	*/
#define MDC_NERV_CRAN_OPHTALMIC	28	/ *	*/
#define MDC_NERV_CRAN_OPHTALMIC_L	29	/ *	*/
#define MDC_NERV_CRAN_OPHTALMIC_R	30	/ *	*/
#define MDC_NERV_CRAN_SUPRAORBITAL	32	/ *	*/
#define MDC_NERV_CRAN_SUPRAORBITAL_L	33	/ *	*/
#define MDC_NERV_CRAN_SUPRAORBITAL_R	34	/ *	*/
#define MDC_NERV_CRAN_MAXILLAR	36	/ *	*/
#define MDC_NERV_CRAN_MAXILLAR_L	37	/ *	*/
#define MDC_NERV_CRAN_MAXILLAR_R	38	/ *	*/
#define MDC_NERV_CRAN_INFRAORBITAL	40	/ *	*/
#define MDC_NERV_CRAN_INFRAORBITAL_L	41	/ *	*/
#define MDC_NERV_CRAN_INFRAORBITAL_R	42	/ *	*/
#define MDC_NERV_CRAN_MANDIBULAR	44	/ *	*/
#define MDC_NERV_CRAN_MANDIBULAR_L	45	/ *	*/
#define MDC_NERV_CRAN_MANDIBULAR_R	46	/ *	*/
#define MDC_NERV_CRAN ABDUCENS	48	/ *	*/
#define MDC_NERV_CRAN ABDUCENS_L	49	/ *	*/
#define MDC_NERV_CRAN ABDUCENS_R	50	/ *	*/
#define MDC_NERV_CRAN_FACIAL	52	/ *	*/
#define MDC_NERV_CRAN_FACIAL_L	53	/ *	*/
#define MDC_NERV_CRAN_FACIAL_R	54	/ *	*/
#define MDC_NERV_CRAN_VESTIB_COCHL	56	/ *	*/
#define MDC_NERV_CRAN_VESTIB_COCHL_L	57	/ *	*/
#define MDC_NERV_CRAN_VESTIB_COCHL_R	58	/ *	*/
#define MDC_NERV_CRAN_VESTIB	60	/ *	*/

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#define MDC_NERV_CRAN_VESTIB_L	61	/*	*/
#define MDC_NERV_CRAN_VESTIB_R	62	/*	*/
#define MDC_NERV_CRAN_COCHL	64	/*	*/
#define MDC_NERV_CRAN_COCHL_L	65	/*	*/
#define MDC_NERV_CRAN_COCHL_R	66	/*	*/
#define MDC_NERV_CRAN_GLOSSOPHARYNG	68	/*	*/
#define MDC_NERV_CRAN_GLOSSOPHARYNG_L	69	/*	*/
#define MDC_NERV_CRAN_GLOSSOPHARYNG_R	70	/*	*/
#define MDC_NERV_CRAN_VAGUS	72	/*	*/
#define MDC_NERV_CRAN_VAGUS_L	73	/*	*/
#define MDC_NERV_CRAN_VAGUS_R	74	/*	*/
#define MDC_NERV_CRAN_ACCESS_CRAN_RADIC	76	/*	*/
#define MDC_NERV_CRAN_ACCESS_CRAN_RADIC_L	77	/*	*/
#define MDC_NERV_CRAN_ACCESS_CRAN_RADIC_R	78	/*	*/
#define MDC_NERV_CRAN_ACCESS_RADIC_SPINAL	80	/*	*/
#define MDC_NERV_CRAN_ACCESS_RADIC_SPINAL_L	81	/*	*/
#define MDC_NERV_CRAN_ACCESS_RADIC_SPINAL_R	82	/*	*/
#define MDC_NERV_CRAN_HYPOGLOSS	84	/*	*/
#define MDC_NERV_CRAN_HYPOGLOSS_L	85	/*	*/
#define MDC_NERV_CRAN_HYPOGLOSS_R	86	/*	*/
#define MDC_NERV_SPIN	88	/*	*/
#define MDC_NERV_SPIN_L	89	/*	*/
#define MDC_NERV_SPIN_R	90	/*	*/
#define MDC_NERV_SPIN_CERVIC	92	/*	*/
#define MDC_NERV_SPIN_CERVIC_L	93	/*	*/
#define MDC_NERV_SPIN_CERVIC_R	94	/*	*/
#define MDC_NERV_SPIN_PHRENIC	96	/*	*/
#define MDC_NERV_SPIN_PHRENIC_L	97	/*	*/
#define MDC_NERV_SPIN_PHRENIC_R	98	/*	*/
#define MDC_NERV_SPIN_BRACH_PLEX	100	/*	*/
#define MDC_NERV_SPIN_BRACH_PLEX_L	101	/*	*/

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#define MDC_NERV_SPIN_BRACH_PLEX_R	102	/*	*/
#define MDC_NERV_SPIN_THORACIC_LONG	104	/*	*/
#define MDC_NERV_SPIN_THORACIC_LONG_L	105	/*	*/
#define MDC_NERV_SPIN_THORACIC_LONG_R	106	/*	*/
#define MDC_NERV_SPIN_MUSCULOCUT	108	/*	*/
#define MDC_NERV_SPIN_MUSCULOCUT_L	109	/*	*/
#define MDC_NERV_SPIN_MUSCULOCUT_R	110	/*	*/
#define MDC_NERV_SPIN_CUT_ANTEBRACH_LAT	112	/*	*/
#define MDC_NERV_SPIN_CUT_ANTEBRACH_LAT_L	113	/*	*/
#define MDC_NERV_SPIN_CUT_ANTEBRACH_LAT_R	114	/*	*/
#define MDC_NERV_SPIN_CUT_ANTEBRACH_MED	116	/*	*/
#define MDC_NERV_SPIN_CUT_ANTEBRACH_MED_L	117	/*	*/
#define MDC_NERV_SPIN_CUT_ANTEBRACH_MED_R	118	/*	*/
#define MDC_NERV_SPIN_MEDIAN	120	/*	*/
#define MDC_NERV_SPIN_MEDIAN_L	121	/*	*/
#define MDC_NERV_SPIN_MEDIAN_R	122	/*	*/
#define MDC_NERV_SPIN_MEDIAN_PALMAR	124	/*	*/
#define MDC_NERV_SPIN_MEDIAN_PALMAR_L	125	/*	*/
#define MDC_NERV_SPIN_MEDIAN_PALMAR_R	126	/*	*/
#define MDC_NERV_SPIN_MEDIAN_PALMAR_DIGIT_PROPR	128	/*	*/
#define MDC_NERV_SPIN_MEDIAN_PALMAR_DIGIT_PROPR_L	129	/*	*/
#define MDC_NERV_SPIN_MEDIAN_PALMAR_DIGIT_PROPR_R	130	/*	*/
#define MDC_NERV_SPIN_ULNAR	132	/*	*/
#define MDC_NERV_SPIN_ULNAR_L	133	/*	*/
#define MDC_NERV_SPIN_ULNAR_R	134	/*	*/
#define MDC_NERV_SPIN_ULNAR_RAM_DORSAL	136	/*	*/
#define MDC_NERV_SPIN_ULNAR_RAM_DORSAL_L	137	/*	*/
#define MDC_NERV_SPIN_ULNAR_RAM_DORSAL_R	138	/*	*/
#define MDC_NERV_SPIN_ULNAR_RAM_PALMAR	140	/*	*/
#define MDC_NERV_SPIN_ULNAR_RAM_PALMAR_L	141	/*	*/
#define MDC_NERV_SPIN_ULNAR_RAM_PALMAR_R	142	/*	*/

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#define MDC_NERV_SPIN_ULNAR_PALMAR_DIGIT_PROPR	144	/*	*/
#define MDC_NERV_SPIN_ULNAR_PALMAR_DIGIT_PROPR_L	145	/*	*/
#define MDC_NERV_SPIN_ULNAR_PALMAR_DIGIT_PROPR_R	146	/*	*/
#define MDC_NERV_SPIN_RADIC	148	/*	*/
#define MDC_NERV_SPIN_RADIC_L	149	/*	*/
#define MDC_NERV_SPIN_RADIC_R	150	/*	*/
#define MDC_NERV_SPIN_RADIC_SUPERF	152	/*	*/
#define MDC_NERV_SPIN_RADIC_SUPERF_L	153	/*	*/
#define MDC_NERV_SPIN_RADIC_SUPERF_R	154	/*	*/
#define MDC_NERV_SPIN_SUBSCAP	156	/*	*/
#define MDC_NERV_SPIN_SUBSCAP_L	157	/*	*/
#define MDC_NERV_SPIN_SUBSCAP_R	158	/*	*/
#define MDC_NERV_SPIN_AXILLAR	160	/*	*/
#define MDC_NERV_SPIN_AXILLAR_L	161	/*	*/
#define MDC_NERV_SPIN_AXILLAR_R	162	/*	*/
#define MDC_NERV_SPIN_THORACIC	164	/*	*/
#define MDC_NERV_SPIN_THORACIC_L	165	/*	*/
#define MDC_NERV_SPIN_THORACIC_R	166	/*	*/
#define MDC_NERV_SPIN_LUMBAL	168	/*	*/
#define MDC_NERV_SPIN_LUMBAL_L	169	/*	*/
#define MDC_NERV_SPIN_LUMBAL_R	170	/*	*/
#define MDC_NERV_SPIN_LUMBOSACRAL_PLEX	172	/*	*/
#define MDC_NERV_SPIN_LUMBOSACRAL_PLEX_L	173	/*	*/
#define MDC_NERV_SPIN_LUMBOSACRAL_PLEX_R	174	/*	*/
#define MDC_NERV_SPIN_LUMBAL_PLEX	176	/*	*/
#define MDC_NERV_SPIN_LUMBAL_PLEX_L	177	/*	*/
#define MDC_NERV_SPIN_LUMBAL_PLEX_R	178	/*	*/
#define MDC_NERV_SPIN_ILIOHYPOGASTRIC	180	/*	*/
#define MDC_NERV_SPIN_ILIOHYPOGASTRIC_L	181	/*	*/
#define MDC_NERV_SPIN_ILIOHYPOGASTRIC_R	182	/*	*/
#define MDC_NERV_SPIN_ILIOINGUINAL	184	/*	*/

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#define MDC_NERV_SPIN_ILIOINGUINAL_L	185	/*	*/
#define MDC_NERV_SPIN_ILIOINGUINAL_R	186	/*	*/
#define MDC_NERV_SPIN_CUT_FEMORAL_LAT	188	/*	*/
#define MDC_NERV_SPIN_CUT_FEMORAL_LAT_L	189	/*	*/
#define MDC_NERV_SPIN_CUT_FEMORAL_LAT_R	190	/*	*/
#define MDC_NERV_SPIN_OBTURATOR	192	/*	*/
#define MDC_NERV_SPIN_OBTURATOR_L	193	/*	*/
#define MDC_NERV_SPIN_OBTURATOR_R	194	/*	*/
#define MDC_NERV_SPIN_FEMORAL	196	/*	*/
#define MDC_NERV_SPIN_FEMORAL_L	197	/*	*/
#define MDC_NERV_SPIN_FEMORAL_R	198	/*	*/
#define MDC_NERV_SPIN_SAPHEN	200	/*	*/
#define MDC_NERV_SPIN_SAPHEN_L	201	/*	*/
#define MDC_NERV_SPIN_SAPHEN_R	202	/*	*/
#define MDC_NERV_SPIN_SACRAL	204	/*	*/
#define MDC_NERV_SPIN_SACRAL_L	205	/*	*/
#define MDC_NERV_SPIN_SACRAL_R	206	/*	*/
#define MDC_NERV_SPIN_PLEX	208	/*	*/
#define MDC_NERV_SPIN_PLEX_L	209	/*	*/
#define MDC_NERV_SPIN_PLEX_R	210	/*	*/
#define MDC_NERV_SPIN_ISCHIADIC	212	/*	*/
#define MDC_NERV_SPIN_ISCHIADIC_L	213	/*	*/
#define MDC_NERV_SPIN_ISCHIADIC_R	214	/*	*/
#define MDC_NERV_SPIN_FIBULAR_COMMUN	216	/*	*/
#define MDC_NERV_SPIN_FIBULAR_COMMUN_L	217	/*	*/
#define MDC_NERV_SPIN_FIBULAR_COMMUN_R	218	/*	*/
#define MDC_NERV_SPIN_FIBULAR	220	/*	*/
#define MDC_NERV_SPIN_FIBULAR_L	221	/*	*/
#define MDC_NERV_SPIN_FIBULAR_R	222	/*	*/
#define MDC_NERV_SPIN_FIBULAR_SUPERF	224	/*	*/
#define MDC_NERV_SPIN_FIBULAR_SUPERF_L	225	/*	*/

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#define MDC_NERV_SPIN_FIBULAR_SUPERF_R	226	/ *	*/
#define MDC_NERV_SPIN_TIBIAL	228	/ *	*/
#define MDC_NERV_SPIN_TIBIAL_L	229	/ *	*/
#define MDC_NERV_SPIN_TIBIAL_R	230	/ *	*/
#define MDC_NERV_SPIN_SURAL	232	/ *	*/
#define MDC_NERV_SPIN_SURAL_L	233	/ *	*/
#define MDC_NERV_SPIN_SURAL_R	234	/ *	*/
#define MDC_NERV_SPIN_PLANTAR_MEDIAL	236	/ *	*/
#define MDC_NERV_SPIN_PLANTAR_MEDIAL_L	237	/ *	*/
#define MDC_NERV_SPIN_PLANTAR_MEDIAL_R	238	/ *	*/
#define MDC_NERV_SPIN_PLANTAR_LAT	240	/ *	*/
#define MDC_NERV_SPIN_PLANTAR_LAT_L	241	/ *	*/
#define MDC_NERV_SPIN_PLANTAR_LAT_R	242	/ *	*/
#define MDC_NERV_SPIN_PUDEND	244	/ *	*/
#define MDC_NERV_SPIN_PUDEND_L	245	/ *	*/
#define MDC_NERV_SPIN_PUDEND_R	246	/ *	*/
#define MDC_MUSC_SKELETAL	248	/ *	*/
#define MDC_MUSC_SKELETAL_L	249	/ *	*/
#define MDC_MUSC_SKELETAL_R	250	/ *	*/
#define MDC_MUSC_HEAD	252	/ *	*/
#define MDC_MUSC_HEAD_L	253	/ *	*/
#define MDC_MUSC_HEAD_R	254	/ *	*/
#define MDC_MUSC_HEAD_EYE	256	/ *	*/
#define MDC_MUSC_HEAD_EYE_L	257	/ *	*/
#define MDC_MUSC_HEAD_EYE_R	258	/ *	*/
#define MDC_MUSC_HEAD_RECT_SUP	260	/ *	*/
#define MDC_MUSC_HEAD_RECT_SUP_L	261	/ *	*/
#define MDC_MUSC_HEAD_RECT_SUP_R	262	/ *	*/
#define MDC_MUSC_HEAD_RECT_INF	264	/ *	*/
#define MDC_MUSC_HEAD_RECT_INF_L	265	/ *	*/
#define MDC_MUSC_HEAD_RECT_INF_R	266	/ *	*/

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#define MDC_MUSC_HEAD_RECT_MED	268	/*	*/
#define MDC_MUSC_HEAD_RECT_MED_L	269	/*	*/
#define MDC_MUSC_HEAD_RECT_MED_R	270	/*	*/
#define MDC_MUSC_HEAD_RECT_LAT	272	/*	*/
#define MDC_MUSC_HEAD_RECT_LAT_L	273	/*	*/
#define MDC_MUSC_HEAD_RECT_LAT_R	274	/*	*/
#define MDC_MUSC_HEAD_OBLIQ_SUP	276	/*	*/
#define MDC_MUSC_HEAD_OBLIQ_SUP_L	277	/*	*/
#define MDC_MUSC_HEAD_OBLIQ_SUP_R	278	/*	*/
#define MDC_MUSC_HEAD_OBLIQ_INF	280	/*	*/
#define MDC_MUSC_HEAD_OBLIQ_INF_L	281	/*	*/
#define MDC_MUSC_HEAD_OBLIQ_INF_R	282	/*	*/
#define MDC_MUSC_HEAD_FACIAL	284	/*	*/
#define MDC_MUSC_HEAD_FACIAL_L	285	/*	*/
#define MDC_MUSC_HEAD_FACIAL_R	286	/*	*/
#define MDC_MUSC_HEAD_OCCIPITOFRONT_VENTER	288	/*	*/
#define MDC_MUSC_HEAD_OCCIPITOFRONT_VENTER_L	289	/*	*/
#define MDC_MUSC_HEAD_OCCIPITOFRONT_VENTER_R	290	/*	*/
#define MDC_MUSC_HEAD_ORBIC_OCUL	292	/*	*/
#define MDC_MUSC_HEAD_ORBIC_OCUL_L	293	/*	*/
#define MDC_MUSC_HEAD_ORBIC_OCUL_R	294	/*	*/
#define MDC_MUSC_HEAD_ORBIC_OCUL_PARS_ORBIT	296	/*	*/
#define MDC_MUSC_HEAD_ORBIC_OCUL_PARS_ORBIT_L	297	/*	*/
#define MDC_MUSC_HEAD_ORBIC_OCUL_PARS_ORBIT_R	298	/*	*/
#define MDC_MUSC_HEAD_AURIC_POST	300	/*	*/
#define MDC_MUSC_HEAD_AURIC_POST_L	301	/*	*/
#define MDC_MUSC_HEAD_AURIC_POST_R	302	/*	*/
#define MDC_MUSC_HEAD_ORBIC_ORIS	304	/*	*/
#define MDC_MUSC_HEAD_ORBIC_ORIS_L	305	/*	*/
#define MDC_MUSC_HEAD_ORBIC_ORIS_R	306	/*	*/
#define MDC_MUSC_HEAD_DEPRESSOR_ANGUL_ORIS	308	/*	*/

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#define MDC_MUSC_HEAD_DEPRESSOR_ANGUL_ORIS_L	309	/*	*/
#define MDC_MUSC_HEAD_DEPRESSOR_ANGUL_ORIS_R	310	/*	*/
#define MDC_MUSC_HEAD_RISOR	312	/*	*/
#define MDC_MUSC_HEAD_RISOR_L	313	/*	*/
#define MDC_MUSC_HEAD_RISOR_R	314	/*	*/
#define MDC_MUSC_HEAD_ZYGOMATIC_MAJOR	316	/*	*/
#define MDC_MUSC_HEAD_ZYGOMATIC_MAJOR_L	317	/*	*/
#define MDC_MUSC_HEAD_ZYGOMATIC_MAJOR_R	318	/*	*/
#define MDC_MUSC_HEAD_ZYGOMATIC_MINOR	320	/*	*/
#define MDC_MUSC_HEAD_ZYGOMATIC_MINOR_L	321	/*	*/
#define MDC_MUSC_HEAD_ZYGOMATIC_MINOR_R	322	/*	*/
#define MDC_MUSC_HEAD_LEVATOR_LAB_SUP	324	/*	*/
#define MDC_MUSC_HEAD_LEVATOR_LAB_SUP_L	325	/*	*/
#define MDC_MUSC_HEAD_LEVATOR_LAB_SUP_R	326	/*	*/
#define MDC_MUSC_HEAD_LEVATOR_LAB_SUP_AL_NASI	328	/*	*/
#define MDC_MUSC_HEAD_LEVATOR_LAB_SUP_AL_NASI_L	329	/*	*/
#define MDC_MUSC_HEAD_LEVATOR_LAB_SUP_AL_NASI_R	330	/*	*/
#define MDC_MUSC_HEAD_DEPRESSOR_LAB_INF	332	/*	*/
#define MDC_MUSC_HEAD_DEPRESSOR_LAB_INF_L	333	/*	*/
#define MDC_MUSC_HEAD_DEPRESSOR_LAB_INF_R	334	/*	*/
#define MDC_MUSC_HEAD_LEVATOR_ANGUL_ORIS	336	/*	*/
#define MDC_MUSC_HEAD_LEVATOR_ANGUL_ORIS_L	337	/*	*/
#define MDC_MUSC_HEAD_LEVATOR_ANGUL_ORIS_R	338	/*	*/
#define MDC_MUSC_HEAD_BUCCINATOR	340	/*	*/
#define MDC_MUSC_HEAD_BUCCINATOR_L	341	/*	*/
#define MDC_MUSC_HEAD_BUCCINATOR_R	342	/*	*/
#define MDC_MUSC_HEAD_MENTAL	344	/*	*/
#define MDC_MUSC_HEAD_MENTAL_L	345	/*	*/
#define MDC_MUSC_HEAD_MENTAL_R	346	/*	*/
#define MDC_MUSC_HEAD_MASSETER	348	/*	*/
#define MDC_MUSC_HEAD_MASSETER_L	349	/*	*/

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#define MDC_MUSC_HEAD_MASSETER_R	350	/*	*/
#define MDC_MUSC_HEAD_TEMPOR	352	/*	*/
#define MDC_MUSC_HEAD_TEMPOR_L	353	/*	*/
#define MDC_MUSC_HEAD_TEMPOR_R	354	/*	*/
#define MDC_MUSC_HEAD_PTERTYGOID	356	/*	*/
#define MDC_MUSC_HEAD_PTERTYGOID_L	357	/*	*/
#define MDC_MUSC_HEAD_PTERTYGOID_R	358	/*	*/
#define MDC_MUSC_HEAD_PTERTYGOID_LAT	360	/*	*/
#define MDC_MUSC_HEAD_PTERTYGOID_LAT_L	361	/*	*/
#define MDC_MUSC_HEAD_PTERTYGOID_LAT_R	362	/*	*/
#define MDC_MUSC_HEAD_PTERTYGOID_MED	364	/*	*/
#define MDC_MUSC_HEAD_PTERTYGOID_MED_L	365	/*	*/
#define MDC_MUSC_HEAD_PTERTYGOID_MED_R	366	/*	*/
#define MDC_MUSC_HEAD_LING	368	/*	*/
#define MDC_MUSC_HEAD_LING_L	369	/*	*/
#define MDC_MUSC_HEAD_LING_R	370	/*	*/
#define MDC_MUSC_HEAD_GENIOGLOSS	372	/*	*/
#define MDC_MUSC_HEAD_GENIOGLOSS_L	373	/*	*/
#define MDC_MUSC_HEAD_GENIOGLOSS_R	374	/*	*/
#define MDC_MUSC_HEAD_LARING	376	/*	*/
#define MDC_MUSC_HEAD_LARING_L	377	/*	*/
#define MDC_MUSC_HEAD_LARING_R	378	/*	*/
#define MDC_MUSC_HEAD_CRICOTHYROID	380	/*	*/
#define MDC_MUSC_HEAD_CRICOTHYROID_L	381	/*	*/
#define MDC_MUSC_HEAD_CRICOTHYROID_R	382	/*	*/
#define MDC_MUSC_HEAD_THYROARYTEROID	384	/*	*/
#define MDC_MUSC_HEAD_THYROARYTEROID_L	385	/*	*/
#define MDC_MUSC_HEAD_THYROARYTEROID_R	386	/*	*/
#define MDC_MUSC_NECK	388	/*	*/
#define MDC_MUSC_NECK_L	389	/*	*/
#define MDC_MUSC_NECK_R	390	/*	*/

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#define MDC_MUSC_NECK_PLATYSMA	392	/*	*/
#define MDC_MUSC_NECK_PLATYSMA_L	393	/*	*/
#define MDC_MUSC_NECK_PLATYSMA_R	394	/*	*/
#define MDC_MUSC_NECK_CAPT_LONG	396	/*	*/
#define MDC_MUSC_NECK_CAPT_LONG_L	397	/*	*/
#define MDC_MUSC_NECK_CAPT_LONG_R	398	/*	*/
#define MDC_MUSC_NECK_STERNOCLEIDOMASTOID	400	/*	*/
#define MDC_MUSC_NECK_STERNOCLEIDOMASTOID_L	401	/*	*/
#define MDC_MUSC_NECK_STERNOCLEIDOMASTOID_R	402	/*	*/
#define MDC_MUSC_NECK_DIGRASTRIC	404	/*	*/
#define MDC_MUSC_NECK_DIGRASTRIC_L	405	/*	*/
#define MDC_MUSC_NECK_DIGRASTRIC_R	406	/*	*/
#define MDC_MUSC_NECK_DIGRASTRIC_VENTER_ANT	408	/*	*/
#define MDC_MUSC_NECK_DIGRASTRIC_VENTER_ANT_L	409	/*	*/
#define MDC_MUSC_NECK_DIGRASTRIC_VENTER_ANT_R	410	/*	*/
#define MDC_MUSC_NECK_DIGRASTRIC_VENTER_POST	412	/*	*/
#define MDC_MUSC_NECK_DIGRASTRIC_VENTER_POST_L	413	/*	*/
#define MDC_MUSC_NECK_DIGRASTRIC_VENTER_POST_R	414	/*	*/
#define MDC_MUSC_NECK_MYLOHYOID	416	/*	*/
#define MDC_MUSC_NECK_MYLOHYOID_L	417	/*	*/
#define MDC_MUSC_NECK_MYLOHYOID_R	418	/*	*/
#define MDC_MUSC_TRUNK	420	/*	*/
#define MDC_MUSC_TRUNK_L	421	/*	*/
#define MDC_MUSC_TRUNK_R	422	/*	*/
#define MDC_MUSC_BACK	424	/*	*/
#define MDC_MUSC_BACK_L	425	/*	*/
#define MDC_MUSC_BACK_R	426	/*	*/
#define MDC_MUSC_BACK_UPPER	428	/*	*/
#define MDC_MUSC_BACK_UPPER_L	429	/*	*/
#define MDC_MUSC_BACK_UPPER_R	430	/*	*/
#define MDC_MUSC_BACK_LOWER	432	/*	*/

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#define MDC_MUSC_BACK_LOWER_L	433	/ *	*/
#define MDC_MUSC_BACK_LOWER_R	434	/ *	*/
#define MDC_MUSC_BACK_TRAPEZ	436	/ *	*/
#define MDC_MUSC_BACK_TRAPEZ_L	437	/ *	*/
#define MDC_MUSC_BACK_TRAPEZ_R	438	/ *	*/
#define MDC_MUSC_BACK_LASTISSIM_DORS	440	/ *	*/
#define MDC_MUSC_BACK_LASTISSIM_DORS_L	441	/ *	*/
#define MDC_MUSC_BACK_LASTISSIM_DORS_R	442	/ *	*/
#define MDC_MUSC_BACK_RHOMB_MAJOR	444	/ *	*/
#define MDC_MUSC_BACK_RHOMB_MAJOR_L	445	/ *	*/
#define MDC_MUSC_BACK_RHOMB_MAJOR_R	446	/ *	*/
#define MDC_MUSC_BACK_RHOMB_MINOR	448	/ *	*/
#define MDC_MUSC_BACK_RHOMB_MINOR_L	449	/ *	*/
#define MDC_MUSC_BACK_RHOMB_MINOR_R	450	/ *	*/
#define MDC_MUSC_BACK_SCAP_LEVATOR	452	/ *	*/
#define MDC_MUSC_BACK_SCAP_LEVATOR_L	453	/ *	*/
#define MDC_MUSC_BACK_SCAP_LEVATOR_R	454	/ *	*/
#define MDC_MUSC_BACK_SERRAT_POST	456	/ *	*/
#define MDC_MUSC_BACK_SERRAT_POST_L	457	/ *	*/
#define MDC_MUSC_BACK_SERRAT_POST_R	458	/ *	*/
#define MDC_MUSC_BACK_SPLEN_CAPT	460	/ *	*/
#define MDC_MUSC_BACK_SPLEN_CAPT_L	461	/ *	*/
#define MDC_MUSC_BACK_SPLEN_CAPT_R	462	/ *	*/
#define MDC_MUSC_BACK_SPLEN_CERVIC	464	/ *	*/
#define MDC_MUSC_BACK_SPLEN_CERVIC_L	465	/ *	*/
#define MDC_MUSC_BACK_SPLEN_CERVIC_R	466	/ *	*/
#define MDC_MUSC_BACK_SPLEN	468	/ *	*/
#define MDC_MUSC_BACK_SPLEN_L	469	/ *	*/
#define MDC_MUSC_BACK_SPLEN_R	470	/ *	*/
#define MDC_MUSC_BACK_SPINAL_ERECTOR	472	/ *	*/
#define MDC_MUSC_BACK_SPINAL_ERECTOR_L	473	/ *	*/

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#define MDC_MUSC_BACK_SPINAL_ERECTOR_R	474	/*	*/
#define MDC_MUSC_BACK_SPINAL	476	/*	*/
#define MDC_MUSC_BACK_SPINAL_L	477	/*	*/
#define MDC_MUSC_BACK_SPINAL_R	478	/*	*/
#define MDC_MUSC_BACK_SPINAL_THORAC	480	/*	*/
#define MDC_MUSC_BACK_SPINAL_THORAC_L	481	/*	*/
#define MDC_MUSC_BACK_SPINAL_THORAC_R	482	/*	*/
#define MDC_MUSC_BACK_SPINAL_CERVIC	484	/*	*/
#define MDC_MUSC_BACK_SPINAL_CERVIC_L	485	/*	*/
#define MDC_MUSC_BACK_SPINAL_CERVIC_R	486	/*	*/
#define MDC_MUSC_BACK_SPINAL_CAPIT	488	/*	*/
#define MDC_MUSC_BACK_SPINAL_CAPIT_L	489	/*	*/
#define MDC_MUSC_BACK_SPINAL_CAPIT_R	490	/*	*/
#define MDC_MUSC_BACK_SEMISPINAL	492	/*	*/
#define MDC_MUSC_BACK_SEMISPINAL_L	493	/*	*/
#define MDC_MUSC_BACK_SEMISPINAL_R	494	/*	*/
#define MDC_MUSC_BACK_SEMISPINAL_THOR	496	/*	*/
#define MDC_MUSC_BACK_SEMISPINAL_THOR_L	497	/*	*/
#define MDC_MUSC_BACK_SEMISPINAL_THOR_R	498	/*	*/
#define MDC_MUSC_BACK_SEMISPINAL_CERV	500	/*	*/
#define MDC_MUSC_BACK_SEMISPINAL_CERV_L	501	/*	*/
#define MDC_MUSC_BACK_SEMISPINAL_CERV_R	502	/*	*/
#define MDC_MUSC_BACK_SEMISPINAL_CAPIT	504	/*	*/
#define MDC_MUSC_BACK_SEMISPINAL_CAPIT_L	505	/*	*/
#define MDC_MUSC_BACK_SEMISPINAL_CAPIT_R	506	/*	*/
#define MDC_MUSC_BACK_MULTIFID	508	/*	*/
#define MDC_MUSC_BACK_MULTIFID_L	509	/*	*/
#define MDC_MUSC_BACK_MULTIFID_R	510	/*	*/
#define MDC_MUSC_BACK_INTERSPINAL	512	/*	*/
#define MDC_MUSC_BACK_INTERSPINAL_L	513	/*	*/
#define MDC_MUSC_BACK_INTERSPINAL_R	514	/*	*/

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#define MDC_MUSC_BACK_INTERSPINAL_CERVIC	516	/*	*/
#define MDC_MUSC_BACK_INTERSPINAL_CERVIC_L	517	/*	*/
#define MDC_MUSC_BACK_INTERSPINAL_CERVIC_R	518	/*	*/
#define MDC_MUSC_BACK_INTERSPINAL_THORAC	520	/*	*/
#define MDC_MUSC_BACK_INTERSPINAL_THORAC_L	521	/*	*/
#define MDC_MUSC_BACK_INTERSPINAL_THORAC_R	522	/*	*/
#define MDC_MUSC_BACK_INTERSPINAL_LUMBOR	524	/*	*/
#define MDC_MUSC_BACK_INTERSPINAL_LUMBOR_L	525	/*	*/
#define MDC_MUSC_BACK_INTERSPINAL_LUMBOR_R	526	/*	*/
#define MDC_MUSC_THORAX	528	/*	*/
#define MDC_MUSC_THORAX_L	529	/*	*/
#define MDC_MUSC_THORAX_R	530	/*	*/
#define MDC_MUSC_THORAX_PECTORAL_MAJOR	532	/*	*/
#define MDC_MUSC_THORAX_PECTORAL_MAJOR_L	533	/*	*/
#define MDC_MUSC_THORAX_PECTORAL_MAJOR_R	534	/*	*/
#define MDC_MUSC_THORAX_PECTORAL_MINOR	536	/*	*/
#define MDC_MUSC_THORAX_PECTORAL_MINOR_L	537	/*	*/
#define MDC_MUSC_THORAX_PECTORAL_MINOR_R	538	/*	*/
#define MDC_MUSC_THORAX_SUBCLAV	540	/*	*/
#define MDC_MUSC_THORAX_SUBCLAV_L	541	/*	*/
#define MDC_MUSC_THORAX_SUBCLAV_R	542	/*	*/
#define MDC_MUSC_THORAX_SERRAT_ANT	544	/*	*/
#define MDC_MUSC_THORAX_SERRAT_ANT_L	545	/*	*/
#define MDC_MUSC_THORAX_SERRAT_ANT_R	546	/*	*/
#define MDC_MUSC_THORAX_INTERCOSTAL	548	/*	*/
#define MDC_MUSC_THORAX_INTERCOSTAL_L	549	/*	*/
#define MDC_MUSC_THORAX_INTERCOSTAL_R	550	/*	*/
#define MDC_MUSC_THORAX_DIAPHRAGM	552	/*	*/
#define MDC_MUSC_THORAX_DIAPHRAGM_L	553	/*	*/
#define MDC_MUSC_THORAX_DIAPHRAGM_R	554	/*	*/
#define MDC_MUSC_ABDOM	556	/*	*/

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#define MDC_MUSC_ABDOM_L	557	/*	*/
#define MDC_MUSC_ABDOM_R	558	/*	*/
#define MDC_MUSC_ABDOM_ABDOMIN	560	/*	*/
#define MDC_MUSC_ABDOM_ABDOMIN_L	561	/*	*/
#define MDC_MUSC_ABDOM_ABDOMIN_R	562	/*	*/
#define MDC_MUSC_ABDOM_OBLIQ_EXT	564	/*	*/
#define MDC_MUSC_ABDOM_OBLIQ_EXT_L	565	/*	*/
#define MDC_MUSC_ABDOM_OBLIQ_EXT_R	566	/*	*/
#define MDC_MUSC_ABDOM_OBLIQ_INT	568	/*	*/
#define MDC_MUSC_ABDOM_OBLIQ_INT_L	569	/*	*/
#define MDC_MUSC_ABDOM_OBLIQ_INT_R	570	/*	*/
#define MDC_MUSC_ABDOM_ABDOM_TRANSVERS	572	/*	*/
#define MDC_MUSC_ABDOM_ABDOM_TRANSVERS_L	573	/*	*/
#define MDC_MUSC_ABDOM_ABDOM_TRANSVERS_R	574	/*	*/
#define MDC_MUSC_ABDOM_LUMBOR_QUADRAT	576	/*	*/
#define MDC_MUSC_ABDOM_LUMBOR_QUADRAT_L	577	/*	*/
#define MDC_MUSC_ABDOM_LUMBOR_QUADRAT_R	578	/*	*/
#define MDC_MUSC_ABDOM_PELV	580	/*	*/
#define MDC_MUSC_ABDOM_PELV_L	581	/*	*/
#define MDC_MUSC_ABDOM_PELV_R	582	/*	*/
#define MDC_MUSC_ABDOM_PUBORECT	584	/*	*/
#define MDC_MUSC_ABDOM_PUBORECT_L	585	/*	*/
#define MDC_MUSC_ABDOM_PUBORECT_R	586	/*	*/
#define MDC_MUSC_ABDOM_COCCYG	588	/*	*/
#define MDC_MUSC_ABDOM_COCCYG_L	589	/*	*/
#define MDC_MUSC_ABDOM_COCCYG_R	590	/*	*/
#define MDC_MUSC_ABDOM_ANI_SPHINCTER	592	/*	*/
#define MDC_MUSC_ABDOM_ANI_SPHINCTER_EXT	596	/*	*/
#define MDC_MUSC_UPEXT	600	/*	*/
#define MDC_MUSC_UPEXT_L	601	/*	*/
#define MDC_MUSC_UPEXT_R	602	/*	*/

#define MDC_MUSC_UPEXT_DELTOID	604	/*	*/
#define MDC_MUSC_UPEXT_DELTOID_L	605	/*	*/
#define MDC_MUSC_UPEXT_DELTOID_R	606	/*	*/
#define MDC_MUSC_UPEXT_SUPRASPINAT	608	/*	*/
#define MDC_MUSC_UPEXT_SUPRASPINAT_L	609	/*	*/
#define MDC_MUSC_UPEXT_SUPRASPINAT_R	610	/*	*/
#define MDC_MUSC_UPEXT_INFRASPINAT	612	/*	*/
#define MDC_MUSC_UPEXT_INFRASPINAT_L	613	/*	*/
#define MDC_MUSC_UPEXT_INFRASPINAT_R	614	/*	*/
#define MDC_MUSC_UPEXT_TERES_MINOR	616	/*	*/
#define MDC_MUSC_UPEXT_TERES_MINOR_L	617	/*	*/
#define MDC_MUSC_UPEXT_TERES_MINOR_R	618	/*	*/
#define MDC_MUSC_UPEXT_TERES_MAJOR	620	/*	*/
#define MDC_MUSC_UPEXT_TERES_MAJOR_L	621	/*	*/
#define MDC_MUSC_UPEXT_TERES_MAJOR_R	622	/*	*/
#define MDC_MUSC_UPEXT_SUBSCAP	624	/*	*/
#define MDC_MUSC_UPEXT_SUBSCAP_L	625	/*	*/
#define MDC_MUSC_UPEXT_SUBSCAP_R	626	/*	*/
#define MDC_MUSC_UPEXT_BRACHI_BICEPS	628	/*	*/
#define MDC_MUSC_UPEXT_BRACHI_BICEPS_L	629	/*	*/
#define MDC_MUSC_UPEXT_BRACHI_BICEPS_R	630	/*	*/
#define MDC_MUSC_UPEXT_BRACHIAL	632	/*	*/
#define MDC_MUSC_UPEXT_BRACHIAL_L	633	/*	*/
#define MDC_MUSC_UPEXT_BRACHIAL_R	634	/*	*/
#define MDC_MUSC_UPEXT_CORACOBACH	636	/*	*/
#define MDC_MUSC_UPEXT_CORACOBACH_L	637	/*	*/
#define MDC_MUSC_UPEXT_CORACOBACH_R	638	/*	*/
#define MDC_MUSC_UPEXT_BRACH_TRICEPS	640	/*	*/
#define MDC_MUSC_UPEXT_BRACH_TRICEPS_L	641	/*	*/
#define MDC_MUSC_UPEXT_BRACH_TRICEPS_R	642	/*	*/
#define MDC_MUSC_UPEXT_BRACH_TRICEPS_CAP_LONG	644	/*	*/

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#define MDC_MUSC_UPEXT_BRACH_TRICEPS_CAP_LONG_L	645	/*	*/
#define MDC_MUSC_UPEXT_BRACH_TRICEPS_CAP_LONG_R	646	/*	*/
#define MDC_MUSC_UPEXT_BRACH_TRICEPS_CAP_LAT	648	/*	*/
#define MDC_MUSC_UPEXT_BRACH_TRICEPS_CAP_LAT_L	649	/*	*/
#define MDC_MUSC_UPEXT_BRACH_TRICEPS_CAP_LAT_R	650	/*	*/
#define MDC_MUSC_UPEXT_BRACH_TRICEPS_CAP_MED	652	/*	*/
#define MDC_MUSC_UPEXT_BRACH_TRICEPS_CAP_MED_L	653	/*	*/
#define MDC_MUSC_UPEXT_BRACH_TRICEPS_CAP_MED_R	654	/*	*/
#define MDC_MUSC_UPEXT_ANCON	656	/*	*/
#define MDC_MUSC_UPEXT_ANCON_L	657	/*	*/
#define MDC_MUSC_UPEXT_ANCON_R	658	/*	*/
#define MDC_MUSC_UPEXT_PRONATOR	660	/*	*/
#define MDC_MUSC_UPEXT_PRONATOR_L	661	/*	*/
#define MDC_MUSC_UPEXT_PRONATOR_R	662	/*	*/
#define MDC_MUSC_UPEXT_FLEX_CARPI_RADIAL	664	/*	*/
#define MDC_MUSC_UPEXT_FLEX_CARPI_RADIAL_L	665	/*	*/
#define MDC_MUSC_UPEXT_FLEX_CARPI_RADIAL_R	666	/*	*/
#define MDC_MUSC_UPEXT_PALMAR_LONG	668	/*	*/
#define MDC_MUSC_UPEXT_PALMAR_LONG_L	669	/*	*/
#define MDC_MUSC_UPEXT_PALMAR_LONG_R	670	/*	*/
#define MDC_MUSC_UPEXT_FLEX_CARPI_ULNAR	672	/*	*/
#define MDC_MUSC_UPEXT_FLEX_CARPI_ULNAR_L	673	/*	*/
#define MDC_MUSC_UPEXT_FLEX_CARPI_ULNAR_R	674	/*	*/
#define MDC_MUSC_UPEXT_FLEX_DIGIT_SUPERF	676	/*	*/
#define MDC_MUSC_UPEXT_FLEX_DIGIT_SUPERF_L	677	/*	*/
#define MDC_MUSC_UPEXT_FLEX_DIGIT_SUPERF_R	678	/*	*/
#define MDC_MUSC_UPEXT_FLEX_DIGIT_PROFUND	680	/*	*/
#define MDC_MUSC_UPEXT_FLEX_DIGIT_PROFUND_L	681	/*	*/
#define MDC_MUSC_UPEXT_FLEX_DIGIT_PROFUND_R	682	/*	*/
#define MDC_MUSC_UPEXT_FLEX_POLLIC_LONG	684	/*	*/
#define MDC_MUSC_UPEXT_FLEX_POLLIC_LONG_L	685	/*	*/

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#define MDC_MUSC_UPEXT_FLEX_POLLIC_LONG_R	686	/*	*/
#define MDC_MUSC_UPEXT_PRONATOR_QUADRAT	688	/*	*/
#define MDC_MUSC_UPEXT_PRONATOR_QUADRAT_L	689	/*	*/
#define MDC_MUSC_UPEXT_PRONATOR_QUADRAT_R	690	/*	*/
#define MDC_MUSC_UPEXT_BRACHIORADIAL	692	/*	*/
#define MDC_MUSC_UPEXT_BRACHIORADIAL_L	693	/*	*/
#define MDC_MUSC_UPEXT_BRACHIORADIAL_R	694	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_CARP_RADIAL_LONG	696	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_CARP_RADIAL_LONG_L	697	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_CARP_RADIAL_LONG_R	698	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_CARP_RADIAL_BREV	700	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_CARP_RADIAL_BREV_L	701	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_CARP_RADIAL_BREV_R	702	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_DIGIT	704	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_DIGIT_L	705	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_DIGIT_R	706	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_DIGIT_MIN	708	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_DIGIT_MIN_L	709	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_DIGIT_MIN_R	710	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_CARP_ULNAR	712	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_CARP_ULNAR_L	713	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_CARP_ULNAR_R	714	/*	*/
#define MDC_MUSC_UPEXT_SUPINATOR	716	/*	*/
#define MDC_MUSC_UPEXT_SUPINATOR_L	717	/*	*/
#define MDC_MUSC_UPEXT_SUPINATOR_R	718	/*	*/
#define MDC_MUSC_UPEXT_ABDUC_POLLIC_LONG	720	/*	*/
#define MDC_MUSC_UPEXT_ABDUC_POLLIC_LONG_L	721	/*	*/
#define MDC_MUSC_UPEXT_ABDUC_POLLIC_LONG_R	722	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_POLLIC_BREV	724	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_POLLIC_BREV_L	725	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_POLLIC_BREV_R	726	/*	*/

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#define MDC_MUSC_UPEXT_EXTENS_POLLIC_LONG	728	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_POLLIC_LONG_L	729	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_POLLIC_LONG_R	730	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_INDIC	732	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_INDIC_L	733	/*	*/
#define MDC_MUSC_UPEXT_EXTENS_INDIC_R	734	/*	*/
#define MDC_MUSC_UPEXT_PALMAR_BREV	736	/*	*/
#define MDC_MUSC_UPEXT_PALMAR_BREV_L	737	/*	*/
#define MDC_MUSC_UPEXT_PALMAR_BREV_R	738	/*	*/
#define MDC_MUSC_UPEXT_ABDUC_POLLIC_BREV	740	/*	*/
#define MDC_MUSC_UPEXT_ABDUC_POLLIC_BREV_L	741	/*	*/
#define MDC_MUSC_UPEXT_ABDUC_POLLIC_BREV_R	742	/*	*/
#define MDC_MUSC_UPEXT_FLEX_POLLIC_BREV	744	/*	*/
#define MDC_MUSC_UPEXT_FLEX_POLLIC_BREV_L	745	/*	*/
#define MDC_MUSC_UPEXT_FLEX_POLLIC_BREV_R	746	/*	*/
#define MDC_MUSC_UPEXT_OPPON_POLLIC	748	/*	*/
#define MDC_MUSC_UPEXT_OPPON_POLLIC_L	749	/*	*/
#define MDC_MUSC_UPEXT_OPPON_POLLIC_R	750	/*	*/
#define MDC_MUSC_UPEXT_ADDUC_POLLIC	752	/*	*/
#define MDC_MUSC_UPEXT_ADDUC_POLLIC_L	753	/*	*/
#define MDC_MUSC_UPEXT_ADDUC_POLLIC_R	754	/*	*/
#define MDC_MUSC_UPEXT_ABDUC_DIGIT_MIN	756	/*	*/
#define MDC_MUSC_UPEXT_ABDUC_DIGIT_MIN_L	757	/*	*/
#define MDC_MUSC_UPEXT_ABDUC_DIGIT_MIN_R	758	/*	*/
#define MDC_MUSC_UPEXT_FLEX_DIGIT_BREV_MIN	760	/*	*/
#define MDC_MUSC_UPEXT_FLEX_DIGIT_BREV_MIN_L	761	/*	*/
#define MDC_MUSC_UPEXT_FLEX_DIGIT_BREV_MIN_R	762	/*	*/
#define MDC_MUSC_UPEXT_OPPON_DIGIT_MIN	764	/*	*/
#define MDC_MUSC_UPEXT_OPPON_DIGIT_MIN_L	765	/*	*/
#define MDC_MUSC_UPEXT_OPPON_DIGIT_MIN_R	766	/*	*/
#define MDC_MUSC_UPEXT_LUMBRICAL	768	/*	*/

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#define MDC_MUSC_UPEXT_LUMBRICAL_L	769	/*	*/
#define MDC_MUSC_UPEXT_LUMBRICAL_R	770	/*	*/
#define MDC_MUSC_UPEXT_INTEROSS_DORSAL	772	/*	*/
#define MDC_MUSC_UPEXT_INTEROSS_DORSAL_L	773	/*	*/
#define MDC_MUSC_UPEXT_INTEROSS_DORSAL_R	774	/*	*/
#define MDC_MUSC_UPEXT_INTEROSS_PALMAR	776	/*	*/
#define MDC_MUSC_UPEXT_INTEROSS_PALMAR_L	777	/*	*/
#define MDC_MUSC_UPEXT_INTEROSS_PALMAR_R	778	/*	*/
#define MDC_MUSC_LOEXT_HIP_THIGH	780	/*	*/
#define MDC_MUSC_LOEXT_HIP_THIGH_L	781	/*	*/
#define MDC_MUSC_LOEXT_HIP_THIGH_R	782	/*	*/
#define MDC_MUSC_LOEXT_LEG	784	/*	*/
#define MDC_MUSC_LOEXT_LEG_L	785	/*	*/
#define MDC_MUSC_LOEXT_LEG_R	786	/*	*/
#define MDC_MUSC_LOEXT_FOOT	788	/*	*/
#define MDC_MUSC_LOEXT_FOOT_L	789	/*	*/
#define MDC_MUSC_LOEXT_FOOT_R	790	/*	*/
#define MDC_MUSC_LOEXT_ILLIOPS	792	/*	*/
#define MDC_MUSC_LOEXT_ILLIOPS_L	793	/*	*/
#define MDC_MUSC_LOEXT_ILLIOPS_R	794	/*	*/
#define MDC_MUSC_LOEXT_GLUT_MAX	796	/*	*/
#define MDC_MUSC_LOEXT_GLUT_MAX_L	797	/*	*/
#define MDC_MUSC_LOEXT_GLUT_MAX_R	798	/*	*/
#define MDC_MUSC_LOEXT_GLUT_MED	800	/*	*/
#define MDC_MUSC_LOEXT_GLUT_MED_L	801	/*	*/
#define MDC_MUSC_LOEXT_GLUT_MED_R	802	/*	*/
#define MDC_MUSC_LOEXT_GLUT_MIN	804	/*	*/
#define MDC_MUSC_LOEXT_GLUT_MIN_L	805	/*	*/
#define MDC_MUSC_LOEXT_GLUT_MIN_R	806	/*	*/
#define MDC_MUSC_LOEXT_TENSOR_FASC_LAT	808	/*	*/
#define MDC_MUSC_LOEXT_TENSOR_FASC_LAT_L	809	/*	*/

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#define MDC_MUSC_LOEXT_TENSOR_FASC_LAT_R	810	/*	*/
#define MDC_MUSC_LOEXT_PIRIFORM	812	/*	*/
#define MDC_MUSC_LOEXT_PIRIFORM_L	813	/*	*/
#define MDC_MUSC_LOEXT_PIRIFORM_R	814	/*	*/
#define MDC_MUSC_LOEXT_OBTURATOR	816	/*	*/
#define MDC_MUSC_LOEXT_OBTURATOR_L	817	/*	*/
#define MDC_MUSC_LOEXT_OBTURATOR_R	818	/*	*/
#define MDC_MUSC_LOEXT_GEMEL	820	/*	*/
#define MDC_MUSC_LOEXT_GEMEL_L	821	/*	*/
#define MDC_MUSC_LOEXT_GEMEL_R	822	/*	*/
#define MDC_MUSC_LOEXT_QUADRAT_FEMOR	824	/*	*/
#define MDC_MUSC_LOEXT_QUADRAT_FEMOR_L	825	/*	*/
#define MDC_MUSC_LOEXT_QUADRAT_FEMOR_R	826	/*	*/
#define MDC_MUSC_LOEXT_SARTOR	828	/*	*/
#define MDC_MUSC_LOEXT_SARTOR_L	829	/*	*/
#define MDC_MUSC_LOEXT_SARTOR_R	830	/*	*/
#define MDC_MUSC_LOEXT_QUADRICEPS_FEMOR	832	/*	*/
#define MDC_MUSC_LOEXT_QUADRICEPS_FEMOR_L	833	/*	*/
#define MDC_MUSC_LOEXT_QUADRICEPS_FEMOR_R	834	/*	*/
#define MDC_MUSC_LOEXT_RECT_FEMOR	836	/*	*/
#define MDC_MUSC_LOEXT_RECT_FEMOR_L	837	/*	*/
#define MDC_MUSC_LOEXT_RECT_FEMOR_R	838	/*	*/
#define MDC_MUSC_LOEXT_VAST_LAT	840	/*	*/
#define MDC_MUSC_LOEXT_VAST_LAT_L	841	/*	*/
#define MDC_MUSC_LOEXT_VAST_LAT_R	842	/*	*/
#define MDC_MUSC_LOEXT_VAST_INTERMED	844	/*	*/
#define MDC_MUSC_LOEXT_VAST_INTERMED_L	845	/*	*/
#define MDC_MUSC_LOEXT_VAST_INTERMED_R	846	/*	*/
#define MDC_MUSC_LOEXT_VAST_MED	848	/*	*/
#define MDC_MUSC_LOEXT_VAST_MED_L	849	/*	*/
#define MDC_MUSC_LOEXT_VAST_MED_R	850	/*	*/

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#define MDC_MUSC_LOEXT_PECTIN	852	/*	*/
#define MDC_MUSC_LOEXT_PECTIN_L	853	/*	*/
#define MDC_MUSC_LOEXT_PECTIN_R	854	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_LONG	856	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_LONG_L	857	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_LONG_R	858	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_BREV	860	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_BREV_L	861	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_BREV_R	862	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_MAGN	864	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_MAGN_L	865	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_MAGN_R	866	/*	*/
#define MDC_MUSC_LOEXT_GRACIL	868	/*	*/
#define MDC_MUSC_LOEXT_GRACIL_L	869	/*	*/
#define MDC_MUSC_LOEXT_GRACIL_R	870	/*	*/
#define MDC_MUSC_LOEXT_BICEPS_FEMOR	872	/*	*/
#define MDC_MUSC_LOEXT_BICEPS_FEMOR_L	873	/*	*/
#define MDC_MUSC_LOEXT_BICEPS_FEMOR_R	874	/*	*/
#define MDC_MUSC_LOEXT_BICEPS_FEMOR_LONG	876	/*	*/
#define MDC_MUSC_LOEXT_BICEPS_FEMOR_LONG_L	877	/*	*/
#define MDC_MUSC_LOEXT_BICEPS_FEMOR_LONG_R	878	/*	*/
#define MDC_MUSC_LOEXT_BICEPS_FEMOR_BREV	880	/*	*/
#define MDC_MUSC_LOEXT_BICEPS_FEMOR_BREV_L	881	/*	*/
#define MDC_MUSC_LOEXT_BICEPS_FEMOR_BREV_R	882	/*	*/
#define MDC_MUSC_LOEXT_SEMITENDIN	884	/*	*/
#define MDC_MUSC_LOEXT_SEMITENDIN_L	885	/*	*/
#define MDC_MUSC_LOEXT_SEMITENDIN_R	886	/*	*/
#define MDC_MUSC_LOEXT_SEMIMEMBRAN	888	/*	*/
#define MDC_MUSC_LOEXT_SEMIMEMBRAN_L	889	/*	*/
#define MDC_MUSC_LOEXT_SEMIMEMBRAN_R	890	/*	*/
#define MDC_MUSC_LOEXT_TIBIAL_ANT	892	/*	*/

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#define MDC_MUSC_LOEXT_TIBIAL_ANT_L	893	/*	*/
#define MDC_MUSC_LOEXT_TIBIAL_ANT_R	894	/*	*/
#define MDC_MUSC_LOEXT_EXTENS_DIGIT_LONG	896	/*	*/
#define MDC_MUSC_LOEXT_EXTENS_DIGIT_LONG_L	897	/*	*/
#define MDC_MUSC_LOEXT_EXTENS_DIGIT_LONG_R	898	/*	*/
#define MDC_MUSC_LOEXT_EXTENS_HALLUC_LONG	900	/*	*/
#define MDC_MUSC_LOEXT_EXTENS_HALLUC_LONG_L	901	/*	*/
#define MDC_MUSC_LOEXT_EXTENS_HALLUC_LONG_R	902	/*	*/
#define MDC_MUSC_LOEXT_PERON	904	/*	*/
#define MDC_MUSC_LOEXT_PERON_L	905	/*	*/
#define MDC_MUSC_LOEXT_PERON_R	906	/*	*/
#define MDC_MUSC_LOEXT_PERON_LONG	908	/*	*/
#define MDC_MUSC_LOEXT_PERON_LONG_L	909	/*	*/
#define MDC_MUSC_LOEXT_PERON_LONG_R	910	/*	*/
#define MDC_MUSC_LOEXT_PERON_BREV	912	/*	*/
#define MDC_MUSC_LOEXT_PERON_BREV_L	913	/*	*/
#define MDC_MUSC_LOEXT_PERON_BREV_R	914	/*	*/
#define MDC_MUSC_LOEXT_TRICEPS_SUR	916	/*	*/
#define MDC_MUSC_LOEXT_TRICEPS_SUR_L	917	/*	*/
#define MDC_MUSC_LOEXT_TRICEPS_SUR_R	918	/*	*/
#define MDC_MUSC_LOEXT_GASTROCNE	920	/*	*/
#define MDC_MUSC_LOEXT_GASTROCNE_L	921	/*	*/
#define MDC_MUSC_LOEXT_GASTROCNE_R	922	/*	*/
#define MDC_MUSC_LOEXT_GASTROCNE_LAT	924	/*	*/
#define MDC_MUSC_LOEXT_GASTROCNE_LAT_L	925	/*	*/
#define MDC_MUSC_LOEXT_GASTROCNE_LAT_R	926	/*	*/
#define MDC_MUSC_LOEXT_GASTROCNE_MED	928	/*	*/
#define MDC_MUSC_LOEXT_GASTROCNE_MED_L	929	/*	*/
#define MDC_MUSC_LOEXT_GASTROCNE_MED_R	930	/*	*/
#define MDC_MUSC_LOEXT_SOL	932	/*	*/
#define MDC_MUSC_LOEXT_SOL_L	933	/*	*/

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#define MDC_MUSC_LOEXT_SOL_R	934	/*	*/
#define MDC_MUSC_LOEXT_PLANTAR	936	/*	*/
#define MDC_MUSC_LOEXT_PLANTAR_L	937	/*	*/
#define MDC_MUSC_LOEXT_PLANTAR_R	938	/*	*/
#define MDC_MUSC_LOEXT_POPLIT	940	/*	*/
#define MDC_MUSC_LOEXT_POPLIT_L	941	/*	*/
#define MDC_MUSC_LOEXT_POPLIT_R	942	/*	*/
#define MDC_MUSC_LOEXT_TIBIAL_POST	944	/*	*/
#define MDC_MUSC_LOEXT_TIBIAL_POST_L	945	/*	*/
#define MDC_MUSC_LOEXT_TIBIAL_POST_R	946	/*	*/
#define MDC_MUSC_LOEXT_FLEX_DIGIT_LONG	948	/*	*/
#define MDC_MUSC_LOEXT_FLEX_DIGIT_LONG_L	949	/*	*/
#define MDC_MUSC_LOEXT_FLEX_DIGIT_LONG_R	950	/*	*/
#define MDC_MUSC_LOEXT_EXTENS_HALLUC_BREV	952	/*	*/
#define MDC_MUSC_LOEXT_EXTENS_HALLUC_BREV_L	953	/*	*/
#define MDC_MUSC_LOEXT_EXTENS_HALLUC_BREV_R	954	/*	*/
#define MDC_MUSC_LOEXT_EXTENS_DIGIT_BREV	956	/*	*/
#define MDC_MUSC_LOEXT_EXTENS_DIGIT_BREV_L	957	/*	*/
#define MDC_MUSC_LOEXT_EXTENS_DIGIT_BREV_R	958	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_HALLUC	960	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_HALLUC_L	961	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_HALLUC_R	962	/*	*/
#define MDC_MUSC_LOEXT_FLEX_HALLUC_BREV	964	/*	*/
#define MDC_MUSC_LOEXT_FLEX_HALLUC_BREV_L	965	/*	*/
#define MDC_MUSC_LOEXT_FLEX_HALLUC_BREV_R	966	/*	*/
#define MDC_MUSC_LOEXT_ADDUC_HALLUC	968	/*	*/
#define MDC_MUSC_LOEXT_ADDUC_HALLUC_L	969	/*	*/
#define MDC_MUSC_LOEXT_ADDUC_HALLUC_R	970	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_DIGIT_MIN	972	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_DIGIT_MIN_L	973	/*	*/
#define MDC_MUSC_LOEXT_ABDUC_DIGIT_MIN_R	974	/*	*/

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#define MDC_MUSC_LOEXT_FLEX_DIGIT_BREV_MIN	976	/*	*/
#define MDC_MUSC_LOEXT_FLEX_DIGIT_BREV_MIN_L	977	/*	*/
#define MDC_MUSC_LOEXT_FLEX_DIGIT_BREV_MIN_R	978	/*	*/
#define MDC_MUSC_LOEXT_QUADRAT_PLANT	980	/*	*/
#define MDC_MUSC_LOEXT_QUADRAT_PLANT_L	981	/*	*/
#define MDC_MUSC_LOEXT_QUADRAT_PLANT_R	982	/*	*/
#define MDC_MUSC_LOEXT_LUMBRICAL	984	/*	*/
#define MDC_MUSC_LOEXT_LUMBRICAL_L	985	/*	*/
#define MDC_MUSC_LOEXT_LUMBRICAL_R	986	/*	*/
#define MDC_MUSC_LOEXT_INTEROSS_DORSAL	988	/*	*/
#define MDC_MUSC_LOEXT_INTEROSS_DORSAL_L	989	/*	*/
#define MDC_MUSC_LOEXT_INTEROSS_DORSAL_R	990	/*	*/
#define MDC_MUSC_LOEXT_INTEROSS_PLANTAR	992	/*	*/
#define MDC_MUSC_LOEXT_INTEROSS_PLANTAR_L	993	/*	*/
#define MDC_MUSC_LOEXT_INTEROSS_PLANTAR_R	994	/*	*/
#define MDC_HEAD_NASION_MID	996	/*	*/
#define MDC_HEAD_FRONT_POLAR_MID	1000	/*	*/
#define MDC_HEAD_FRONT_ANT_MID	1004	/*	*/
#define MDC_HEAD_FRONT_MID	1008	/*	*/
#define MDC_HEAD_FRONT_CENT_MID	1012	/*	*/
#define MDC_HEAD_CENT_MID	1016	/*	*/
#define MDC_HEAD_PARIET_MEDIA	1020	/*	*/
#define MDC_HEAD_PARIET_MID	1024	/*	*/
#define MDC_HEAD_PARIET_OCCIP_MID	1028	/*	*/
#define MDC_HEAD_OCCIP_MID	1032	/*	*/
#define MDC_HEAD_INION_MID	1036	/*	*/
#define MDC_HEAD_FRONT_POLAR_L	1041	/*	*/
#define MDC_HEAD_FRONT_POLAR_R	1042	/*	*/
#define MDC_HEAD_FRONT_L_1	1049	/*	*/
#define MDC_HEAD_FRONT_R_2	1054	/*	*/
#define MDC_HEAD_FRONT_L_3	1057	/*	*/

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#define MDC_HEAD_FRONT_R_4	1062	/*	*/
#define MDC_HEAD_FRONT_L_5	1065	/*	*/
#define MDC_HEAD_FRONT_R_6	1070	/*	*/
#define MDC_HEAD_FRONT_L_7	1073	/*	*/
#define MDC_HEAD_FRONT_R_8	1078	/*	*/
#define MDC_HEAD_FRONT_L_9	1081	/*	*/
#define MDC_HEAD_FRONT_R_10	1086	/*	*/
#define MDC_HEAD_FRONT_CENT_L_1	1089	/*	*/
#define MDC_HEAD_FRONT_CENT_R_2	1094	/*	*/
#define MDC_HEAD_FRONT_CENT_L_3	1097	/*	*/
#define MDC_HEAD_FRONT_CENT_R_4	1102	/*	*/
#define MDC_HEAD_FRONT_CENT_L_5	1105	/*	*/
#define MDC_HEAD_FRONT_CENT_R_6	1110	/*	*/
#define MDC_HEAD_FRONT_TEMPOR_L_7	1113	/*	*/
#define MDC_HEAD_FRONT_TEMPOR_R_8	1118	/*	*/
#define MDC_HEAD_FRONT_TEMPOR_L_9	1121	/*	*/
#define MDC_HEAD_FRONT_TEMPOR_R_10	1126	/*	*/
#define MDC_HEAD_CENT_L_1	1129	/*	*/
#define MDC_HEAD_CENT_R_2	1134	/*	*/
#define MDC_HEAD_CENT_L_3	1137	/*	*/
#define MDC_HEAD_CENT_R_4	1142	/*	*/
#define MDC_HEAD_CENT_L_5	1145	/*	*/
#define MDC_HEAD_CENT_R_6	1150	/*	*/
#define MDC_HEAD_PARIET_CENT_L_1	1153	/*	*/
#define MDC_HEAD_PARIET_CENT_R_2	1158	/*	*/
#define MDC_HEAD_PARIET_CENT_L_3	1161	/*	*/
#define MDC_HEAD_PARIET_CENT_R_4	1166	/*	*/
#define MDC_HEAD_PARIET_CENT_L_5	1169	/*	*/
#define MDC_HEAD_PARIET_CENT_R_6	1174	/*	*/
#define MDC_HEAD_PARIET_L_1	1177	/*	*/
#define MDC_HEAD_PARIET_R_2	1182	/*	*/

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#define MDC_HEAD_PARIET_L_3	1185	/*	*/
#define MDC_HEAD_PARIET_R_4	1190	/*	*/
#define MDC_HEAD_PARIET_L_5	1193	/*	*/
#define MDC_HEAD_PARIET_R_6	1198	/*	*/
#define MDC_HEAD_PARIET_L_9	1201	/*	*/
#define MDC_HEAD_PARIET_R_10	1206	/*	*/
#define MDC_HEAD_OCCIP_L	1209	/*	*/
#define MDC_HEAD_OCCIP_R	1214	/*	*/
#define MDC_HEAD_FRONT_ANT_L_3	1217	/*	*/
#define MDC_HEAD_FRONT_ANT_R_4	1222	/*	*/
#define MDC_HEAD_FRONT_ANT_L_7	1225	/*	*/
#define MDC_HEAD_FRONT_ANT_R_8	1230	/*	*/
#define MDC_HEAD_PARIET_OCCIP_L_3	1233	/*	*/
#define MDC_HEAD_PARIET_OCCIP_R_4	1238	/*	*/
#define MDC_HEAD_PARIET_OCCIP_L_7	1241	/*	*/
#define MDC_HEAD_PARIET_OCCIP_R_8	1246	/*	*/
#define MDC_HEAD_TEMPOR_L_3	1249	/*	*/
#define MDC_HEAD_TEMPOR_R_4	1254	/*	*/
#define MDC_HEAD_TEMPOR_L_5	1257	/*	*/
#define MDC_HEAD_TEMPOR_R_6	1262	/*	*/
#define MDC_HEAD_TEMPOR_L_9	1265	/*	*/
#define MDC_HEAD_TEMPOR_R_10	1270	/*	*/
#define MDC_HEAD_TEMPOR_PARIET_L_7	1273	/*	*/
#define MDC_HEAD_TEMPOR_PARIET_R_8	1278	/*	*/
#define MDC_HEAD_TEMPOR_PARIET_L_9	1281	/*	*/
#define MDC_HEAD_TEMPOR_PARIET_R_10	1286	/*	*/
#define MDC_HEAD_EAR_L	1289	/*	*/
#define MDC_HEAD_AURIC_L	1289	/*	*/
#define MDC_HEAD_EAR_R	1290	/*	*/
#define MDC_HEAD_AURIC_R	1290	/*	*/
#define MDC_HEAD_TEMPOR_ANT_L	1297	/*	*/

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#define MDC_HEAD_TEMPOR_ANT_R	1298	/*	*/
#define MDC_HEAD_PHARYNGEAL_L	1305	/*	*/
#define MDC_HEAD_PHARYNGEAL_R	1306	/*	*/
#define MDC_HEAD_SPHENOIDAL_L	1313	/*	*/
#define MDC_HEAD_SPHENOIDAL_R	1314	/*	*/
#define MDC_EYE_AXIS_HORIZ	1320	/*	*/
#define MDC_EYE_CENT_ABOVE_L	1325	/*	*/
#define MDC_EYE_CENT_BELOW_L	1329	/*	*/
#define MDC_EYE_CANTH_LAT_ABOVE_MID_L	1333	/*	*/
#define MDC_EYE_CANTH_LAT_BELOW_MID_L	1337	/*	*/
#define MDC_EYE_CANTH_OUTER_ABOVE_L	1341	/*	*/
#define MDC_EYE_CANTH_OUTER_BELOW_L	1345	/*	*/
#define MDC_EYE_CANTH_OUTER_CENTER_L	1349	/*	*/
#define MDC_EYE_CENT_ABOVE_R	1354	/*	*/
#define MDC_EYE_CENT_BELOW_R	1358	/*	*/
#define MDC_EYE_CANTH_LAT_ABOVE_R	1362	/*	*/
#define MDC_EYE_CANTH_LAT_BELOW_R	1366	/*	*/
#define MDC_EYE_CANTH_OUTER_ABOVE_R	1370	/*	*/
#define MDC_EYE_CANTH_OUTER_BELOW_R	1374	/*	*/
#define MDC_EYE_CANTH_OUTER_CENTER_R	1378	/*	*/
#define MDC_EYE_EYELID_L	1381	/*	*/
#define MDC_EYE_EYELID_R	1386	/*	*/
#define MDC_EYE_ABOVE_L	1389	/*	*/
#define MDC_EYE_BELOW_L	1393	/*	*/
#define MDC_EYE_ABOVE_R	1398	/*	*/
#define MDC_EYE_BELOW_R	1402	/*	*/
#define MDC_BRAIN_EPIDURAL	1404	/*	*/
#define MDC_BRAIN_EPIDURAL_L	1405	/*	*/
#define MDC_BRAIN_EPIDURAL_R	1406	/*	*/
#define MDC_BRAIN_SUBDURAL	1408	/*	*/
#define MDC_BRAIN_SUBDURAL_L	1409	/*	*/

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#define MDC_BRAIN_SUBDURAL_R	1410	/*	*/
#define MDC_BRAIN_SUBARACHNOIDAL	1412	/*	*/
#define MDC_BRAIN_SUBARACHNOIDAL_L	1413	/*	*/
#define MDC_BRAIN_SUBARACHNOIDAL_R	1414	/*	*/
#define MDC_BRAIN_INTRAVENTRICULAR	1416	/*	*/
#define MDC_BRAIN_INTRAVENTRICULAR_L	1417	/*	*/
#define MDC_BRAIN_INTRAVENTRICULAR_R	1418	/*	*/
#define MDC_BRAIN_INTRAPARENCHYMAL	1420	/*	*/
#define MDC_BRAIN_INTRAPARENCHYMAL_L	1421	/*	*/
#define MDC_BRAIN_INTRAPARENCHYMAL_R	1422	/*	*/
#define MDC_HEART	1424	/*	*/
#define MDC_HEART_L	1425	/*	*/
#define MDC_HEART_R	1426	/*	*/
#define MDC_HEART_ATR_L	1429	/*	*/
#define MDC_HEART_ATR_R	1434	/*	*/
#define MDC_HEART_VENT_L	1437	/*	*/
#define MDC_HEART_VENT_R	1442	/*	*/
#define MDC_ART	1444	/*	*/
#define MDC_ART_L	1445	/*	*/
#define MDC_ART_R	1446	/*	*/
#define MDC_ART_AXILLAR	1448	/*	*/
#define MDC_ART_AXILLAR_L	1449	/*	*/
#define MDC_ART_AXILLAR_R	1450	/*	*/
#define MDC_ART_BRACHIAL	1452	/*	*/
#define MDC_ART_BRACHIAL_L	1453	/*	*/
#define MDC_ART_BRACHIAL_R	1454	/*	*/
#define MDC_ART_DORSAL	1456	/*	*/
#define MDC_ART_DORSAL_L	1457	/*	*/
#define MDC_ART_DORSAL_R	1458	/*	*/
#define MDC_ART_FEMORAL	1460	/*	*/
#define MDC_ART_FEMORAL_L	1461	/*	*/

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#define MDC_ART_FEMORAL_R	1462	/*	*/
#define MDC_ART_PULMONAL	1464	/*	*/
#define MDC_ART_RADIAL	1468	/*	*/
#define MDC_ART_RADIAL_L	1469	/*	*/
#define MDC_ART_RADIAL_R	1470	/*	*/
#define MDC_ART_TEMPOR_SUPERF	1472	/*	*/
#define MDC_ART_TEMPOR_SUPERF_L	1473	/*	*/
#define MDC_ART_TEMPOR_SUPERF_R	1474	/*	*/
#define MDC_ART_ULNAR	1476	/*	*/
#define MDC_ART_ULNAR_L	1477	/*	*/
#define MDC_ART_ULNAR_R	1478	/*	*/
#define MDC_ART_UMBILICAL	1480	/*	*/
#define MDC_VEIN	1484	/*	*/
#define MDC_VEIN_L	1485	/*	*/
#define MDC_VEIN_R	1486	/*	*/
#define MDC_VEIN_FEMORAL	1488	/*	*/
#define MDC_VEIN_FEMORAL_L	1489	/*	*/
#define MDC_VEIN_FEMORAL_R	1490	/*	*/
#define MDC_VEIN_JUGULAR_EXT	1492	/*	*/
#define MDC_VEIN_JUGULAR_EXT_L	1493	/*	*/
#define MDC_VEIN_JUGULAR_EXT_R	1494	/*	*/
#define MDC_VEIN_JUGULAR_INT	1496	/*	*/
#define MDC_VEIN_JUGULAR_INT_L	1497	/*	*/
#define MDC_VEIN_JUGULAR_INT_R	1498	/*	*/
#define MDC_VEIN_CEREBR_PROFUND_MED	1500	/*	*/
#define MDC_VEIN_CEREBR_PROFUND_MED_L	1501	/*	*/
#define MDC_VEIN_CEREBR_PROFUND_MED_R	1502	/*	*/
#define MDC_VEIN_SUBCLAV	1504	/*	*/
#define MDC_VEIN_SUBCLAV_L	1505	/*	*/
#define MDC_VEIN_SUBCLAV_R	1506	/*	*/
#define MDC_HEAD_CHEEK	1508	/*	*/

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#define MDC_HEAD_CHEEK_L	1509	/*	*/
#define MDC_HEAD_CHEEK_R	1510	/*	*/
#define MDC_HEAD_CHIN	1512	/*	*/
#define MDC_HEAD_CONJUNCTIV	1516	/*	*/
#define MDC_HEAD_CONJUNCTIV_L	1517	/*	*/
#define MDC_HEAD_CONJUNCTIV_R	1518	/*	*/
#define MDC_HEAD_EAR	1520	/*	*/
#define MDC_HEAD_EAR_L	1521	/*	*/
#define MDC_HEAD_EAR_R	1522	/*	*/
#define MDC_HEAD_FACE	1524	/*	*/
#define MDC_HEAD_FACE_L	1525	/*	*/
#define MDC_HEAD_FACE_R	1526	/*	*/
#define MDC_HEAD_FORE	1528	/*	*/
#define MDC_HEAD_FORE_L	1529	/*	*/
#define MDC_HEAD_FORE_R	1530	/*	*/
#define MDC_HEAD_FRONT_REGION	1532	/*	*/
#define MDC_HEAD_FRONT_REGION_L	1533	/*	*/
#define MDC_HEAD_FRONT_REGION_R	1534	/*	*/
#define MDC_HEAD_NECK	1536	/*	*/
#define MDC_HEAD_NECK_L	1537	/*	*/
#define MDC_HEAD_NECK_R	1538	/*	*/
#define MDC_HEAD_MOUTH	1540	/*	*/
#define MDC_HEAD_NARIS	1544	/*	*/
#define MDC_HEAD_NARIS_L	1545	/*	*/
#define MDC_HEAD_NARIS_R	1546	/*	*/
#define MDC_HEAD_NASOPHARYNX	1548	/*	*/
#define MDC_HEAD_NOSE	1552	/*	*/
#define MDC_HEAD_OCCIP_REGION	1556	/*	*/
#define MDC_HEAD_OCCIP_REGION_L	1557	/*	*/
#define MDC_HEAD_OCCIP_REGION_R	1558	/*	*/
#define MDC_HEAD_ORBITAL_REGION	1560	/*	*/

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#define MDC_HEAD_ORBITAL_REGION_L	1561	/*	*/
#define MDC_HEAD_ORBITAL_REGION_R	1562	/*	*/
#define MDC_HEAD_PARIET_REGION	1564	/*	*/
#define MDC_HEAD_PARIET_REGION_L	1565	/*	*/
#define MDC_HEAD_PARIET_REGION_R	1566	/*	*/
#define MDC_HEAD_TEMPOR_REGION	1568	/*	*/
#define MDC_HEAD_TEMPOR_REGION_L	1569	/*	*/
#define MDC_HEAD_TEMPOR_REGION_R	1570	/*	*/
#define MDC_HEAD_VERTEX_REGION	1572	/*	*/
#define MDC_HEAD_VERTEX_REGION_L	1573	/*	*/
#define MDC_HEAD_VERTEX_REGION_R	1574	/*	*/
#define MDC_HEAD	1576	/*	*/
#define MDC_HEAD_L	1577	/*	*/
#define MDC_HEAD_R	1578	/*	*/
#define MDC_LOEXT	1580	/*	*/
#define MDC_LOEXT_L	1581	/*	*/
#define MDC_LOEXT_R	1582	/*	*/
#define MDC_LOEXT_ANKLE	1584	/*	*/
#define MDC_LOEXT_ANKLE_L	1585	/*	*/
#define MDC_LOEXT_ANKLE_R	1586	/*	*/
#define MDC_LOEXT_FOOT	1588	/*	*/
#define MDC_LOEXT_FOOT_L	1589	/*	*/
#define MDC_LOEXT_FOOT_R	1590	/*	*/
#define MDC_LOEXT_HEEL	1592	/*	*/
#define MDC_LOEXT_HEEL_L	1593	/*	*/
#define MDC_LOEXT_HEEL_R	1594	/*	*/
#define MDC_LOEXT_INTRAOSSEOUS_CHILD	1596	/*	*/
#define MDC_LOEXT_INTRAOSSEOUS_CHILD_L	1597	/*	*/
#define MDC_LOEXT_INTRAOSSEOUS_CHILD_R	1598	/*	*/
#define MDC_LOEXT_KNEE	1600	/*	*/
#define MDC_LOEXT_KNEE_L	1601	/*	*/

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#define MDC_LOEXT_KNEE_R	1602	/*	*/
#define MDC_LOEXT_LEG	1604	/*	*/
#define MDC_LOEXT_LEG_L	1605	/*	*/
#define MDC_LOEXT_LEG_R	1606	/*	*/
#define MDC_LOEXT_POPLITEAL_REGION	1608	/*	*/
#define MDC_LOEXT_POPLITEAL_REGION_L	1609	/*	*/
#define MDC_LOEXT_POPLITEAL_REGION_R	1610	/*	*/
#define MDC_LOEXT_THIGH	1612	/*	*/
#define MDC_LOEXT_THIGH_L	1613	/*	*/
#define MDC_LOEXT_THIGH_R	1614	/*	*/
#define MDC_LOEXT_TOE	1616	/*	*/
#define MDC_LOEXT_TOE_L	1617	/*	*/
#define MDC_LOEXT_TOE_R	1618	/*	*/
#define MDC_LOEXT_TOE_GREAT	1620	/*	*/
#define MDC_LOEXT_TOE_GREAT_L	1621	/*	*/
#define MDC_LOEXT_TOE_GREAT_R	1622	/*	*/
#define MDC_LOEXT_TOE_SECOND	1624	/*	*/
#define MDC_LOEXT_TOE_SECOND_L	1625	/*	*/
#define MDC_LOEXT_TOE_SECOND_R	1626	/*	*/
#define MDC_LOEXT_TOE_THIRD	1628	/*	*/
#define MDC_LOEXT_TOE_THIRD_L	1629	/*	*/
#define MDC_LOEXT_TOE_THIRD_R	1630	/*	*/
#define MDC_LOEXT_TOE_FOURTH	1632	/*	*/
#define MDC_LOEXT_TOE_FOURTH_L	1633	/*	*/
#define MDC_LOEXT_TOE_FOURTH_R	1634	/*	*/
#define MDC_LOEXT_TOE_FIFTH	1636	/*	*/
#define MDC_LOEXT_TOE_FIFTH_L	1637	/*	*/
#define MDC_LOEXT_TOE_FIFTH_R	1638	/*	*/
#define MDC_TRUNK	1640	/*	*/
#define MDC_TRUNK_L	1641	/*	*/
#define MDC_TRUNK_R	1642	/*	*/

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#define MDC_TRUNK_ABDOM	1644	/*	*/
#define MDC_TRUNK_ABDOM_L	1645	/*	*/
#define MDC_TRUNK_ABDOM_R	1646	/*	*/
#define MDC_TRUNK_ABDOM_CAVITY	1648	/*	*/
#define MDC_TRUNK_ABDOM_CAVITY_L	1649	/*	*/
#define MDC_TRUNK_ABDOM_CAVITY_R	1650	/*	*/
#define MDC_TRUNK_ABDOM_WALL	1652	/*	*/
#define MDC_TRUNK_ABDOM_WALL_L	1653	/*	*/
#define MDC_TRUNK_ABDOM_WALL_R	1654	/*	*/
#define MDC_TRUNK_BACK	1656	/*	*/
#define MDC_TRUNK_BACK_L	1657	/*	*/
#define MDC_TRUNK_BACK_R	1658	/*	*/
#define MDC_TRUNK_BLADDER	1660	/*	*/
#define MDC_TRUNK_BREAST	1664	/*	*/
#define MDC_TRUNK_BREAST_L	1665	/*	*/
#define MDC_TRUNK_BREAST_R	1666	/*	*/
#define MDC_TRUNK_BUTTOCK	1668	/*	*/
#define MDC_TRUNK_BUTTOCK_L	1669	/*	*/
#define MDC_TRUNK_BUTTOCK_R	1670	/*	*/
#define MDC_TRUNK_DIAPHRAGM	1672	/*	*/
#define MDC_TRUNK_DIAPHRAGM_L	1673	/*	*/
#define MDC_TRUNK_DIAPHRAGM_R	1674	/*	*/
#define MDC_TRUNK_HIP	1676	/*	*/
#define MDC_TRUNK_HIP_L	1677	/*	*/
#define MDC_TRUNK_HIP_R	1678	/*	*/
#define MDC_TRUNK_INGUINAL_REGION	1680	/*	*/
#define MDC_TRUNK_INGUINAL_REGION_L	1681	/*	*/
#define MDC_TRUNK_INGUINAL_REGION_R	1682	/*	*/
#define MDC_TRUNK_INTRAGASTRIC	1684	/*	*/
#define MDC_TRUNK_LUMBAR_REGION	1688	/*	*/
#define MDC_TRUNK_LUMBAR_REGION_L	1689	/*	*/

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#define MDC_TRUNK_LUMBAR_REGION_R	1690	/*	*/
#define MDC_TRUNK_ESOPH	1692	/*	*/
#define MDC_TRUNK_PELV	1696	/*	*/
#define MDC_TRUNK_PELV_L	1697	/*	*/
#define MDC_TRUNK_PELV_R	1698	/*	*/
#define MDC_TRUNK_PELV_SURG_DRNG	1700	/*	*/
#define MDC_TRUNK_PELV_SURG_DRNG_L	1701	/*	*/
#define MDC_TRUNK_PELV_SURG_DRNG_R	1702	/*	*/
#define MDC_TRUNK_PERINEUM	1704	/*	*/
#define MDC_TRUNK_PERINEUM_L	1705	/*	*/
#define MDC_TRUNK_PERINEUM_R	1706	/*	*/
#define MDC_TRUNK_SACROSOCYGY_REGION	1712	/*	*/
#define MDC_TRUNK_SACROSOCYGY_REGION_L	1713	/*	*/
#define MDC_TRUNK_SACROSOCYGY_REGION_R	1714	/*	*/
#define MDC_TRUNK_SCAP_REGION	1716	/*	*/
#define MDC_TRUNK_SCAP_REGION_L	1717	/*	*/
#define MDC_TRUNK_SCAP_REGION_R	1718	/*	*/
#define MDC_TRUNK_THORAX	1720	/*	*/
#define MDC_TRUNK_THORAX_L	1721	/*	*/
#define MDC_TRUNK_THORAX_R	1722	/*	*/
#define MDC_TRUNK_TRANSESOPH	1724	/*	*/
#define MDC_TRUNK_URETER	1728	/*	*/
#define MDC_TRUNK_URETER_L	1729	/*	*/
#define MDC_TRUNK_URETER_R	1730	/*	*/
#define MDC_UPEXT	1732	/*	*/
#define MDC_UPEXT_L	1733	/*	*/
#define MDC_UPEXT_R	1734	/*	*/
#define MDC_UPEXT_ANTECUBITAL_REGION	1736	/*	*/
#define MDC_UPEXT_ANTECUBITAL_REGION_L	1737	/*	*/
#define MDC_UPEXT_ANTECUBITAL_REGION_R	1738	/*	*/
#define MDC_UPEXT_AXILLA	1740	/*	*/

#define MDC_UPEXT_AXILLA_L	1741	/*	*/
#define MDC_UPEXT_AXILLA_R	1742	/*	*/
#define MDC_UPEXT_ELBOW	1744	/*	*/
#define MDC_UPEXT_ELBOW_L	1745	/*	*/
#define MDC_UPEXT_ELBOW_R	1746	/*	*/
#define MDC_UPEXT_FINGER	1748	/*	*/
#define MDC_UPEXT_FINGER_L	1749	/*	*/
#define MDC_UPEXT_FINGER_R	1750	/*	*/
#define MDC_UPEXT_FINGER_INDEX	1752	/*	*/
#define MDC_UPEXT_FINGER_INDEX_L	1753	/*	*/
#define MDC_UPEXT_FINGER_INDEX_R	1754	/*	*/
#define MDC_UPEXT_FINGER_LITTLE	1756	/*	*/
#define MDC_UPEXT_FINGER_LITTLE_L	1757	/*	*/
#define MDC_UPEXT_FINGER_LITTLE_R	1758	/*	*/
#define MDC_UPEXT_FINGER_MIDDLE	1760	/*	*/
#define MDC_UPEXT_FINGER_MIDDLE_L	1761	/*	*/
#define MDC_UPEXT_FINGER_MIDDLE_R	1762	/*	*/
#define MDC_UPEXT_FINGER_RING	1764	/*	*/
#define MDC_UPEXT_FINGER_RING_L	1765	/*	*/
#define MDC_UPEXT_FINGER_RING_R	1766	/*	*/
#define MDC_UPEXT_FOREARM	1768	/*	*/
#define MDC_UPEXT_FOREARM_L	1769	/*	*/
#define MDC_UPEXT_FOREARM_R	1770	/*	*/
#define MDC_UPEXT_HAND	1772	/*	*/
#define MDC_UPEXT_HAND_L	1773	/*	*/
#define MDC_UPEXT_HAND_R	1774	/*	*/
#define MDC_UPEXT_THUMB	1776	/*	*/
#define MDC_UPEXT_THUMB_L	1777	/*	*/
#define MDC_UPEXT_THUMB_R	1778	/*	*/
#define MDC_UPEXT_ARM_UPPER	1780	/*	*/
#define MDC_UPEXT_ARM_UPPER_L	1781	/*	*/

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#define MDC_UPEXT_ARM_UPPER_R	1782	/*	*/
#define MDC_UPEXT_WRIST	1784	/*	*/
#define MDC_UPEXT_WRIST_L	1785	/*	*/
#define MDC_UPEXT_WRIST_R	1786	/*	*/
#define MDC_VEIN_JUGULAR_BULB	1788	/*	*/
#define MDC_VEIN_JUGULAR_BULB_L	1789	/*	*/
#define MDC_VEIN_JUGULAR_BULB_R	1790	/*	*/
#define MDC_VEIN_CAVA_INF	1792	/*	*/
#define MDC_VEIN_CAVA_SUP	1796	/*	*/
#define MDC_VEIN_HAND_BACK	1800	/*	*/
#define MDC_VEIN_HAND_BACK_L	1801	/*	*/
#define MDC_VEIN_HAND_BACK_R	1802	/*	*/
#define MDC_VEIN_PERIPHERAL	1804	/*	*/
#define MDC_VEIN_PERIPHERAL_L	1805	/*	*/
#define MDC_VEIN_PERIPHERAL_R	1806	/*	*/
#define MDC_VEIN_UMBILICAL_CHILD	1808	/*	*/
#define MDC_VEIN_UMBILICAL_CHILD_L	1809	/*	*/
#define MDC_VEIN_UMBILICAL_CHILD_R	1810	/*	*/
#define MDC_ART_CORON	1812	/*	*/
#define MDC_ART_CORON_L	1816	/*	*/
#define MDC_ART_CORON_L_ANT_DESCEND	1820	/*	*/
#define MDC_ART_CORON_L_CIRCUM	1824	/*	*/
#define MDC_ART_CORON_R	1828	/*	*/
#define MDC_ART_CORON_R_POST_DESCEND	1832	/*	*/
#define MDC_ART_CORON_CONUS	1836	/*	*/
#define MDC_ART_CORON_R_MARGIN	1840	/*	*/
#define MDC_HEAD_REGIONAL_OCCIPITAL	1844	/*	*/
#define MDC_HEAD_REGIONAL_OCCIPITAL_L	1845	/*	*/
#define MDC_HEAD_REGIONAL_OCCIPITAL_R	1846	/*	*/
#define MDC_HEAD_REGIONAL_PARIETAL	1848	/*	*/
#define MDC_HEAD_REGIONAL_PARIETAL_L	1849	/*	*/

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#define MDC_HEAD_REGIONAL_PARIETAL_R	1850	/*	*/
#define MDC_HEAD_REGIONAL_TEMPORAL	1852	/*	*/
#define MDC_HEAD_REGIONAL_TEMPORAL_L	1853	/*	*/
#define MDC_HEAD_REGIONAL_TEMPORAL_R	1854	/*	*/
#define MDC_HEAD_REGIONAL_FRONTAL	1856	/*	*/
#define MDC_HEAD_REGIONAL_FRONTAL_L	1857	/*	*/
#define MDC_HEAD_REGIONAL_FRONTAL_R	1858	/*	*/
#define MDC_HEAD_REGIONAL_FRONTAL_POLAR	1860	/*	*/
#define MDC_HEAD_REGIONAL_FRONTAL_POLAR_L	1861	/*	*/
#define MDC_HEAD_REGIONAL_FRONTAL_POLAR_R	1862	/*	*/
#define MDC_NERV_SPIN_CERVIC_5	1864	/*	*/
#define MDC_NERV_SPIN_CERVIC_5_L	1865	/*	*/
#define MDC_NERV_SPIN_CERVIC_5_R	1866	/*	*/
#define MDC_HEAD_CUSTOM_1	1881	/*	*/
#define MDC_HEAD_CUSTOM_2	1882	/*	*/
#define MDC_HEAD_CUSTOM_3	1883	/*	*/
#define MDC_HEAD_CUSTOM_4	1884	/*	*/
#define MDC_HEAD_CUSTOM_5	1885	/*	*/
#define MDC_HEAD_CUSTOM_6	1886	/*	*/
#define MDC_AORT	1888	/*	*/
#define MDC_HEAD_INTRA_CRAN	1892	/*	*/
#define MDC_BRAIN_INTRA_CRAN_TISS	1896	/*	*/
#define MDC_TRUNK_PLEURA_CHESTWALL_APICAL	2040	/*	*/
#define MDC_TRUNK_PLEURA_CHESTWALL_APICAL_L	2041	/*	*/
#define MDC_TRUNK_PLEURA_CHESTWALL_APICAL_R	2042	/*	*/
#define MDC_TRUNK_PLEURA_CHESTWALL_BASAL	2044	/*	*/
#define MDC_TRUNK_PLEURA_CHESTWALL_BASAL_L	2045	/*	*/
#define MDC_TRUNK_PLEURA_CHESTWALL_BASAL_R	2046	/*	*/

/* Block: BODY SITES

Partition: 7

Description: *Gas Measurement Sites*

*/

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#define MDC_GAS_MSMT_SITE_NOS	2048	/*	*/
#define MDC_GAS_MSMT_SITE_AWAY	2049	/*	*/
#define MDC_GAS_MSMT_SITE_YPI	2050	/*	*/
#define MDC_GAS_MSMT_SITE_ETT	2051	/*	*/
#define MDC_GAS_MSMT_SITE_FGF	2052	/*	*/
#define MDC_GAS_MSMT_SITE_EXH	2053	/*	*/
#define MDC_GAS_MSMT_SITE_IL	2054	/*	*/
#define MDC_GAS_MSMT_SITE_EL	2055	/*	*/
#define MDC_GAS_MSMT_SITE_LB	2057	/*	*/
#define MDC_GAS_MSMT_SITE_RB	2058	/*	*/
#define MDC_GAS_MSMT_SITE_PI	2060	/*	*/
#define MDC_GAS_MSMT_SITE_ETTC	2061	/*	*/
#define MDC_GAS_CIRC_SITE_ABSe	2072	/*	*/
#define MDC_GAS_CIRC_SITE_ABSi	2073	/*	*/
#define MDC_GAS_CIRC_SITE_FGDV	2074	/*	*/
#define MDC_GAS_CIRC_SITE_IV	2075	/*	*/
#define MDC_GAS_CIRC_SITE_EV	2076	/*	*/
#define MDC_GAS_CIRC_SITE_EVP	2077	/*	*/
#define MDC_GAS_CIRC_SITE_BAG	2078	/*	*/
#define MDC_GAS_CIRC_SITE_BBL	2079	/*	*/
#define MDC_GAS_CIRC_SITE_DRV	2080	/*	*/
#define MDC_GAS_CIRC_SITE_PIST	2081	/*	*/
#define MDC_GAS_CIRC_SITE_BLWR	2082	/*	*/
#define MDC_GAS_CIRC_SITE_POV	2083	/*	*/
#define MDC_GAS_CIRC_SITE_APL	2084	/*	*/
#define MDC_GAS_CIRC_SITE_SV	2085	/*	*/
#define MDC_GAS_CIRC_SITE_TOFRO	2086	/*	*/
#define MDC_GAS_CIRC_MAPL_A	2087	/*	*/
#define MDC_GAS_CIRC_MAPL_B	2088	/*	*/
#define MDC_GAS_CIRC_MAPL_C	2089	/*	*/
#define MDC_GAS_CIRC_MAPL_D	2090	/*	*/

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#define MDC_GAS_CIRC_MAPL_E	2091	/*	*/
#define MDC_GAS_CIRC_MAPL_F	2092	/*	*/
#define MDC_GAS_MSMT_SITE_S1	2093	/*	*/
#define MDC_GAS_MSMT_SITE_S2	2094	/*	*/
#define MDC_GAS_CIRC_NEBL	2095	/*	*/
#define MDC_GAS_CIRC_HME	2096	/*	*/
#define MDC_GAS_CIRC_HMEF	2097	/*	*/

/* Block: BODY SITES

Partition: 7

Description: *Temperature Body Sites*

*/

#define MDC_TRUNK_RECTUM	2100	/*	*/
#define MDC_SKIN	2104	/*	*/
#define MDC_VESSEL_NOS	2108	/*	*/
#define MDC_BODY	2112	/*	*/
#define MDC_BODY_L	2113	/*	*/
#define MDC_BODY_R	2114	/*	*/
#define MDC_HEAD_TYMPANIC	2116	/*	*/
#define MDC_HEAD_TYMPANIC_L	2117	/*	*/
#define MDC_HEAD_TYMPANIC_R	2118	/*	*/

/* Block: BODY SITES

Partition: 7

Description: *BodySite_Qualifiers*

*/

#define MDC_BS_QUAL_BILATERAL	8193	/*	*/
#define MDC_BS_QUAL_LEFT	8194	/*	*/
#define MDC_BS_QUAL_MIDLINE	8195	/*	*/
#define MDC_BS_QUAL_RIGHT	8196	/*	*/
#define MDC_BS_QUAL_HIGH	8197	/*	*/
#define MDC_BS_QUAL_LOW	8198	/*	*/
#define MDC_BS_QUAL_MID	8199	/*	*/
#define MDC_BS_QUAL_ANTERIOR	8201	/*	*/

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#define MDC_BS_QUAL_INFERIOR	8202	/*	*/
#define MDC_BS_QUAL_POSTERIOR	8203	/*	*/
#define MDC_BS_QUAL_SUPERIOR	8204	/*	*/
#define MDC_BS_QUAL_LATERAL	8205	/*	*/
#define MDC_BS_QUAL_MEDIAL	8206	/*	*/
#define MDC_BS_QUAL_DISTAL	8207	/*	*/
#define MDC_BS_QUAL_INTERMED	8208	/*	*/
#define MDC_BS_QUAL_PROXIMAL	8209	/*	*/
#define MDC_BS_QUAL_DEEP	8210	/*	*/
#define MDC_BS_QUAL_SUPERFICIAL	8211	/*	*/
#define MDC_BS_QUAL_MUSCLE_BELLY	8256	/*	*/
#define MDC_BS_QUAL_MUSCLE_INSERTION	8257	/*	*/
#define MDC_BS_QUAL_NERVE_CNS_CONNECTION	8258	/*	*/
#define MDC_BS_QUAL_NERVE_ROOT	8259	/*	*/
#define MDC_BS_QUAL_NERVE_PROXIMAL_ARM	8260	/*	*/
#define MDC_BS_QUAL_NERVE_INTERMED_ARM	8261	/*	*/
#define MDC_BS_QUAL_NERVE_DISTAL_ARM	8262	/*	*/
#define MDC_BS_QUAL_NERVE_PROXIMAL_FOREARM	8263	/*	*/
#define MDC_BS_QUAL_NERVE_INTERMED_FOREARM	8264	/*	*/
#define MDC_BS_QUAL_NERVE_DISTAL_FOREARM	8265	/*	*/
#define MDC_BS_QUAL_NERVE_PROXIMAL_THIGH	8266	/*	*/
#define MDC_BS_QUAL_NERVE_INTERMED_THIGH	8267	/*	*/
#define MDC_BS_QUAL_NERVE_DISTAL_THIGH	8268	/*	*/
#define MDC_BS_QUAL_NERVE_PROXIMAL_LEG	8269	/*	*/
#define MDC_BS_QUAL_NERVE_INTERMED_LEG	8270	/*	*/
#define MDC_BS_QUAL_NERVE_DISTAL_LEG	8271	/*	*/
/* Block: BODY SITES			
Partition: 7			
Description: <i>Equipment Sites</i>			*/
#define MDC_EQUIP_BLANKET	10000	/*	*/

B.9 Communication infrastructure – Partition 8

```

/* Block: PROFsupp                                Partition: 8

Description: Profile Support Descriptor                                */

#define MDC_POLL_PROFILE_SUPPORT                    1          /*          */

#define MDC_BASELINE_PROFILE_SUPPORT                2          /*          */

/* Block: SYSspec component                        Partition: 8

Description: System Specification Descriptor                                */

#define MDC_MED_DEV_SPEC_STD_SUPPORT                257        /*          */

#define MDC_MDIB_OBJ_SUPPORT                        258        /*          */

/* Block: DIF                                     Partition: 8

Description: Device Interface                                */

#define MDC_CC_DIF                                  513        /*          */

/* Block: MIBelem                                Partition: 8

Description: Management Information Base (MIB) Elements                                */

#define MDC_CC_MIB_ELEM                            1025        /*          */

#define MDC_CC_MIB_ELEM_DIF                         1026        /*          */

#define MDC_CC_MIB_ELEM_GEN_COMM_STATS              1027        /*          */

#define MDC_CC_MIB_ELEM_1073_3_1_PORT_CFG           1028        /*          */

#define MDC_CC_MIB_ELEM_1073_3_1_LINK_ACC           1029        /*          */

#define MDC_CC_MIB_ELEM_1073_3_1_PERF_CURR          1030        /*          */

#define MDC_CC_MIB_ELEM_1073_3_1_CONFIG_PHYS        1031        /*          */

#define MDC_CC_MIB_ELEM_1073_3_1_FAULT_THRES        1032        /*          */

#define MDC_CC_MIB_ELEM_1073_3_2_CONFIG             1033        /*          */

/* Block: MIBdata                                Partition: 8

Description: MIB Data (Attributes)                                */

#define MDC_CC_MIB_DATA_EXT_OID                     2048        /*          */

```

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#define MDC_CC_MIB_DATA_DIF_ID	2049	/*	*/
#define MDC_CC_MIB_DATA_DIF_PORT_ST	2050	/*	*/
#define MDC_CC_MIB_DATA_DIF_TYPE	2051	/*	*/
#define MDC_CC_MIB_DATA_PROFILE_ID	2052	/*	*/
#define MDC_CC_MIB_DATA_SUPP_PROFILES	2053	/*	*/
#define MDC_CC_MIB_DATA_MTU	2054	/*	*/
#define MDC_CC_MIB_DATA_LINK_SPEED	2055	/*	*/
#define MDC_CC_MIB_DATA_MIB_ELEM_LIST	2056	/*	*/
#define MDC_CC_MIB_DATA_PACK_IN	2057	/*	*/
#define MDC_CC_MIB_DATA_PACK_OUT	2058	/*	*/
#define MDC_CC_MIB_DATA_OCT_IN	2059	/*	*/
#define MDC_CC_MIB_DATA_OCT_OUT	2060	/*	*/
#define MDC_CC_MIB_DATA_DISC_PACK_IN	2061	/*	*/
#define MDC_CC_MIB_DATA_DISC_PACK_OUT	2062	/*	*/
#define MDC_CC_MIB_DATA_UNK_PROT_PACK_IN	2063	/*	*/
#define MDC_CC_MIB_DATA_QUEUE_LEN_IN	2064	/*	*/
#define MDC_CC_MIB_DATA_QUEUE_LEN_OUT	2065	/*	*/
#define MDC_CC_MIB_DATA_DIF_STATE	2066	/*	*/
#define MDC_CC_MIB_DATA_CUR_DIF_STATE	2067	/*	*/
#define MDC_CC_MIB_DATA_TIME_DIF_LAST_CHANGE	2068	/*	*/
#define MDC_CC_MIB_DATA_ERRS_IN	2069	/*	*/
#define MDC_CC_MIB_DATA_ERRS_OUT	2070	/*	*/
#define MDC_CC_MIB_DATA_COMM_MODE	2071	/*	*/
#define MDC_CC_MIB_DATA_AVG_SPEED	2072	/*	*/
#define MDC_CC_MIB_DATA_MAX_SPEED	2073	/*	*/
#define MDC_CC_MIB_DATA_MAX_TX_LEN	2074	/*	*/
#define MDC_CC_MIB_DATA_MAX_RX_LEN	2075	/*	*/
#define MDC_CC_MIB_DATA_POLL_PERIOD	2076	/*	*/
#define MDC_CC_MIB_DATA_TOT_BIT_RATE	2077	/*	*/
#define MDC_CC_MIB_DATA_ID_PORT	2078	/*	*/
#define MDC_CC_MIB_DATA_LINK_TIME	2079	/*	*/

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#define MDC_CC_MIB_DATA_LINK_STAT	2080	/*	*/
#define MDC_CC_MIB_DATA_MGM_TIME	2081	/*	*/
#define MDC_CC_MIB_DATA_MGM_STAT	2082	/*	*/
#define MDC_CC_MIB_DATA_FRAMES_SENT	2083	/*	*/
#define MDC_CC_MIB_DATA_FRAMES_RECV	2084	/*	*/
#define MDC_CC_MIB_DATA_U_FRAMES_SENT	2085	/*	*/
#define MDC_CC_MIB_DATA_U_FRAMES_RECV	2086	/*	*/
#define MDC_CC_MIB_DATA_UI_FRAMES_SENT	2087	/*	*/
#define MDC_CC_MIB_DATA_UI_FRAMES_RECV	2088	/*	*/
#define MDC_CC_MIB_DATA_I_FRAMES_SENT	2089	/*	*/
#define MDC_CC_MIB_DATA_I_FRAMES_RECV	2090	/*	*/
#define MDC_CC_MIB_DATA_BYTES_SENT	2091	/*	*/
#define MDC_CC_MIB_DATA_BYTES_RECV	2092	/*	*/
#define MDC_CC_MIB_DATA_INT_BYTES_SENT	2093	/*	*/
#define MDC_CC_MIB_DATA_INT_BYTES_RECV	2094	/*	*/
#define MDC_CC_MIB_DATA_FRAMES_OUT_ABRT	2095	/*	*/
#define MDC_CC_MIB_DATA_PHYS_CAPAB	2096	/*	*/
#define MDC_CC_MIB_DATA_MAX_CURRENT_RATING	2097	/*	*/
#define MDC_CC_MIB_DATA_FRAMES_SENT_LIM	2098	/*	*/
#define MDC_CC_MIB_DATA_FRAMES_RECV_LIM	2099	/*	*/
#define MDC_CC_MIB_DATA_U_FRAMES_SENT_LIM	2100	/*	*/
#define MDC_CC_MIB_DATA_U_FRAMES_RECV_LIM	2101	/*	*/
#define MDC_CC_MIB_DATA_UI_FRAMES_SENT_LIM	2102	/*	*/
#define MDC_CC_MIB_DATA_UI_FRAMES_RECV_LIM	2103	/*	*/
#define MDC_CC_MIB_DATA_I_FRAMES_SENT_LIM	2104	/*	*/
#define MDC_CC_MIB_DATA_I_FRAMES_RECV_LIM	2105	/*	*/
#define MDC_CC_MIB_DATA_BYTES_SENT_LIM	2106	/*	*/
#define MDC_CC_MIB_DATA_BYTES_RECV_LIM	2107	/*	*/
#define MDC_CC_MIB_DATA_INT_BYTES_SENT_LIM	2108	/*	*/
#define MDC_CC_MIB_DATA_INT_BYTES_RECV_LIM	2109	/*	*/
#define MDC_CC_MIB_DATA_FRAMES_OUT_ABRT_LIM	2110	/*	*/

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```

#define MDC_CC_MIB_DATA_BAUD_RATE                2111    /* */
#define MDC_CC_MIB_DATA_MAX_TURN_AROUND_TIME      2112    /* */
#define MDC_CC_MIB_DATA_DATA_SIZE                 2113    /* */
#define MDC_CC_MIB_DATA_WINDOW_SIZE               2114    /* */
#define MDC_CC_MIB_DATA_ADDIT_BOF                 2115    /* */
#define MDC_CC_MIB_DATA_LINK_DISCON_TIME          2116    /* */
#define MDC_CC_MIB_DATA_LINK_THRSHLD_TIME         2117    /* */
#define MDC_CC_MIB_DATA_DIF_PORT_NO               2318    /* */

/* Block: DEVspec                                Partition: 8

Description: Device Specialization */

#define MDC_DEV_SPEC_PROFILE_HYDRA                 4096    /* Hydra device */
#define MDC_DEV_SPEC_PROFILE_INFUS                 4097    /* */
#define MDC_DEV_SPEC_PROFILE_VENT                  4098    /* */
#define MDC_DEV_SPEC_PROFILE_VS_MON                4099    /* */
#define MDC_DEV_SPEC_PROFILE_PULS_OXIM             4100    /* */
#define MDC_DEV_SPEC_PROFILE_DEFIB                 4101    /* */
#define MDC_DEV_SPEC_PROFILE_ECG                  4102    /* */
#define MDC_DEV_SPEC_PROFILE_BP                    4103    /* */
#define MDC_DEV_SPEC_PROFILE_TEMP                 4104    /* */
#define MDC_DEV_SPEC_PROFILE_AIRWAY_FLOW           4105    /* */
#define MDC_DEV_SPEC_PROFILE_CARD_OUT              4106    /* */
#define MDC_DEV_SPEC_PROFILE_CAPNOM                4107    /* */
#define MDC_DEV_SPEC_PROFILE_CALC_HEMO            4108    /* */
#define MDC_DEV_SPEC_PROFILE_CALC_PULM            4109    /* */
#define MDC_DEV_SPEC_PROFILE_RESP                  4110    /* */
#define MDC_DEV_SPEC_PROFILE_SCALE                 4111    /* */
#define MDC_DEV_SPEC_PROFILE_GLUCOSE               4113    /* Glucose meter */
#define MDC_DEV_SPEC_PROFILE_COAG                  4114    /* International normalized
ratio */
#define MDC_DEV_SPEC_PROFILE_INSULIN_PUMP          4115    /* Insulin pump */

```

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```
#define MDC_DEV_SPEC_PROFILE_BCA 4116 /* Body composition
                                     analyzer */

#define MDC_DEV_SPEC_PROFILE_PEFM 4117 /* Peak expiratory flow
                                     monitor */

#define MDC_DEV_SPEC_PROFILE_URINE_ANALYZER 4118 /* Urine analyzer */

#define MDC_DEV_SPEC_PROFILE_SLEEP_QUALITY 4119 /* Sleep quality monitor */

#define MDC_DEV_SPEC_PROFILE_SABTE 4120 /* Sleep apnoea breathing
                                     therapy equipment */

#define MDC_DEV_SPEC_PROFILE_CGM 4121 /* Continuous glucose
                                     monitor */

#define MDC_DEV_SPEC_PROFILE_PSM 4124 /* Power status monitor */

#define MDC_DEV_SPEC_PROFILE_HF_CARDIO 4137 /* Cardiovascular fitness
                                     and activity monitor */

#define MDC_DEV_SPEC_PROFILE_HF_STRENGTH 4138 /* Strength fitness
                                     equipment */

#define MDC_DEV_SPEC_PROFILE_AI_ACTIVITY_HUB 4167 /* Independent living
                                     activity hub */

#define MDC_DEV_SPEC_PROFILE_AI_MED_MINDER 4168 /* Medication Monitor */

#define MDC_DEV_SPEC_PROFILE_GENERIC 4169 /* Generic device */

/* 4196 through 4197 used for IEEE Std 11073-10441™ (Cardio) */

#define MDC_DEV_SUB_SPEC_PROFILE_STEP_COUNTER 4196 /* Step counter */

#define MDC_DEV_SUB_SPEC_PROFILE_ACTIVITY 4197 /* Activity monitor */

/* 4212 through 4235 used for IEEE Std 11073-10471™ (Activity hub) */

#define MDC_DEV_SUB_SPEC_PROFILE_FALL_SENSOR 4213 /* */

#define MDC_DEV_SUB_SPEC_PROFILE_PERS_SENSOR 4214 /* */

#define MDC_DEV_SUB_SPEC_PROFILE_SMOKE_SENSOR 4215 /* */

#define MDC_DEV_SUB_SPEC_PROFILE_CO_SENSOR 4216 /* */

#define MDC_DEV_SUB_SPEC_PROFILE_WATER_SENSOR 4217 /* */

#define MDC_DEV_SUB_SPEC_PROFILE_GAS_SENSOR 4218 /* */
```

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```

#define MDC_DEV_SUB_SPEC_PROFILE_MOTION_SENSOR      4219  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_PROPEXIT_SENSOR     4220  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_ENURESIS_SENSOR     4221  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_CONTACTCLOSURE_SENSOR 4222  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_USAGE_SENSOR        4223  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_SWITCH_SENSOR       4224  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_DOSAGE_SENSOR       4225  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_TEMP_SENSOR         4226  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_HUMIDITY_SENSOR     4227  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_LOCATION_SENSOR     4228  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_CURRENT_TEMP_SENSOR 4229  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_CURRENT_HUMIDITY_SENSOR 4230 /* */
#define MDC_DEV_SUB_SPEC_PROFILE_UTILITY_USAGE_SENSOR 4231 /* */
#define MDC_DEV_SUB_SPEC_PROFILE_INSTANTANEOUS_UTILITY_USAGE_SENSOR 4232 /* */
#define MDC_DEV_SUB_SPEC_PROFILE_GPS_LOCATION_SENSOR 4233  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_SPEED_SENSOR        4234  /* */

/* Block: DEVsubspec                                Partition: 8

Description: Device Sub-specialization */

/* 4236 through 4243 used for IEEE Std 11073-10406™ (Basic ECG) */
#define MDC_DEV_SUB_SPEC_PROFILE_ECG                 4236  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_HR                  4237  /* */

/* 4244 through 4248 used for IEEE Std 11073-10424™ (SABTE) */
#define MDC_DEV_SUB_SPEC_PROFILE_CPAP                 4244  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_CPAP_AUTO            4245  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_BPAP                 4246  /* */
#define MDC_DEV_SUB_SPEC_PROFILE_BPAP_AUTO            4247  /* reserved for future
                                                         extension */
#define MDC_DEV_SUB_SPEC_PROFILE_ACSV                 4248  /* reserved for future
                                                         extension */

```

```

/* 4249 through 4250 used for IEEE Std 11073-10427™ (Power status monitor) */

#define MDC_DEV_SUB_SPEC_PROFILE_EIGHT_OR_LESS_BATTERIES 4249 /* */

#define MDC_DEV_SUB_SPEC_PROFILE_MORE_THAN_EIGHT_BATTERIES 4250 /* */


/* 7680 through 7693 support Continua Services Interface */

#define MDC_INFRA_HARMONIZATION_CONTINUA 7680 /* */

#define MDC_ID_MODEL_NUMBER 7681 /* */

#define MDC_ID_MODEL_MANUFACTURER 7682 /* */

#define MDC_ID_PROD_SPEC_UNSPECIFIED 7683 /* */

#define MDC_ID_PROD_SPEC_SERIAL 7684 /* */

#define MDC_ID_PROD_SPEC_PART 7685 /* */

#define MDC_ID_PROD_SPEC_HW 7686 /* */

#define MDC_ID_PROD_SPEC_SW 7687 /* */

#define MDC_ID_PROD_SPEC_FW 7688 /* */

#define MDC_ID_PROD_SPEC_PROTOCOL_REV 7689 /* */

#define MDC_ID_PROD_SPEC_GMDN 7690 /* */

#define MDC_MODALITY_AVERAGING_TIME 7691 /* */

#define MDC_SA_SPECN_FLAGS 7692 /* */

#define MDC_MOC_VMS_MDS_AHD 7693 /* */

#define MDC_REG_CERT_DATA_CONTINUA_VERSION 8064 /* */

#define MDC_REG_CERT_DATA_CONTINUA_CERT_DEV_LIST 8065 /* */

#define MDC_REG_CERT_DATA_CONTINUA_REG_STATUS 8066 /* */

#define MDC_REG_CERT_DATA_CONTINUA_AHD_CERT_LIST 8067 /* */

#define MDC_PT_DEMOGR_OPTION_MGR 8193 /* */

#define MDC_PT_DEMOGR_OPTION_AGT 8194 /* */

#define MDC_REM_CNTRL_OPTION_AGT 8196 /* */

#define MDC_REM_CNTRL_OPTION_MGR 8197 /* */

/* Block: TIME_SYNC Partition: 8

Description: Time sync protocols */

```

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/* Placed 256 back from the start of the last block: OptionalPackageIdentifiers
(i.e., 8192-256). */

```
#define MDC_TIME_SYNC_NONE          7936  /* no time synchronization
                                         protocol supported          */

#define MDC_TIME_SYNC_NTPV3         7937  /* RFC 1305 1992 Mar
                                         obs: 1119,1059,958          */

#define MDC_TIME_SYNC_NTPV4         7938  /*
                                         */

#define MDC_TIME_SYNC_SNTPV4        7939  /* RFC 2030 1996 Oct
                                         obs: 1769                   */

#define MDC_TIME_SYNC_SNTPV4330     7940  /* RFC 4330 2006 Jan
                                         obs: 2030,1769             */

#define MDC_TIME_SYNC_BTIV1         7941  /* Bluetooth Medical
                                         Device Profile              */

#define MDC_TIME_SYNC_RADIO         7942  /* Atomic Clock
                                         synchronization through RF  */

#define MDC_TIME_SYNC_HL7_NCK       7943  /* Synchronized via Health
                                         Level 7 NCK (network clock)  */

#define MDC_TIME_SYNC_CDMA          7944  /* CDMA mobile
                                         telecommunications system
                                         synchronization            */

#define MDC_TIME_SYNC_GSM           7945  /* GSM - Network Identity
                                         and Time Zone (NITZ)        */

#define MDC_TIME_SYNC_EBWW          7946  /* A manually set time, by
                                         'eyeball and wristwatch'    */

#define MDC_TIME_SYNC_USB_SOF       7947  /* Synced to the 1 kHz USB
                                         "start-of-frame" clock      */

#define MDC_TIME_SYNC_OTHER         7948  /* A time sync method that
                                         is out of the scope of IEEE Std
                                         1073-20601                  */

#define MDC_TIME_SYNC_OTHER_MOBILE  7949  /* A time sync method based
                                         on other mobile network technology
```

```

that is not listed above          */
#define MDC_TIME_SYNC_GPS          7950  /* A time sync method based
                                         on GPS information          */

```

B.10 File Exchange Format – Partition 9

```

/* Block: FEF                      Partition: 9
Description: File Exchange Format
This is an externally defined nomenclature          */

```

B.11 ECG Extension – Partition 10

```

/* Block: ECGext                   Partition: 10
Description: ECG Extension
This nomenclature is defined in IEEE 11073-10102          */

```

B.12 ICDO Extension – Partition 11

```

/* Block: ICDOext                 Partition: 11
Description: ICDO Extension
This nomenclature is defined in IEEE 11073-10103          */

```

B.13 PHD Disease Management – Partition 128

```

/* Block: PHD_DM                  Partition: 128
Description: PHD Disease Management General Measurements
                                         */
#define MDC_PHD_DM_DEV_STAT        20000 /*
                                         */

/* Block: PHD_ECG                 Partition: 128
Description: PHD Disease Management ECG Measurements          */
#define MDC_ECG_DEV_STAT           21976 /*
                                         */
#define MDC_ECG_HEART_RATE_INSTANT 21982 /*
                                         */

/* Block: PHD_ECG_EVT_CTXT        Partition: 128
Description: PHD Disease Management ECG Event context          */

```

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```

#define MDC_ECG_EVT_CTXT_GEN                21977 /* */
#define MDC_ECG_EVT_CTXT_USER                21978 /* */
#define MDC_ECG_EVT_CTXT_PERIODIC            21979 /* */
#define MDC_ECG_EVT_CTXT_DETECTED            21980 /* */
#define MDC_ECG_EVT_CTXT_EXTERNAL            21981 /* */

/* Block: PHD_SABTE                                Partition: 128
Description: PHD Disease Management SABTE Measurements */
#define MDC_SABTE_TIME_PD_FLOW_GEN_TOTAL    22100 /* */
#define MDC_SABTE_TIME_PD_USAGE_TOTAL        22104 /* */
#define MDC_SABTE_TIME_PD_USAGE_W_HUM       22108 /* */
#define MDC_SABTE_TIME_PD_USAGE_WO_HUM      22112 /* */
#define MDC_SABTE_TIME_PD_SNORING_TOTAL     22116 /* */
#define MDC_SABTE_TIME_PD_CSR_TOTAL          22120 /* */
#define MDC_SABTE_TIME_PD_RAMP_SET           22136 /* */
#define MDC_SABTE_FLOW_TOTAL                 22140 /* */
#define MDC_SABTE_FLOW_WO_PURGE              22144 /* */
#define MDC_SABTE_FLOW_RESP                  22148 /* */
#define MDC_SABTE_AHI                        22180 /* */
#define MDC_SABTE_AHI_TOTAL                  22184 /* */
#define MDC_SABTE_AHI_UNCLASS                22188 /* */
#define MDC_SABTE_AHI_OBSTRUC                22192 /* */
#define MDC_SABTE_AHI_CENTRAL                22196 /* */
#define MDC_SABTE_LVL_HUMID_STAGE_SET        22220 /* */
#define MDC_SABTE_LVL_HUMID_TEMP_SET         22224 /* */
#define MDC_SABTE_LVL_HUMID_HUM_SET          22228 /* */
#define MDC_SABTE_LVL_TRIG_SENS_SET          22232 /* */
#define MDC_SABTE_LVL_INSP_PRESS_RISE_SET    22236 /* */
#define MDC_SABTE_LVL_ADAPT_SET              22240 /* */

/* Block: PHD_SABTE                                Partition: 128

```

Description: *PHD Disease Management SABTE Modes* */

#define MDC_SABTE_MODE_ADAPT_FREEZE_SET	22260	/*	*/
#define MDC_SABTE_MODE_ADAPT_FREEZE_OFF	22261	/*	*/
#define MDC_SABTE_MODE_ADAPT_FREEZE_ON	22262	/*	*/
#define MDC_SABTE_MODE_AUTOSTARTSTOP_SET	22264	/*	*/
#define MDC_SABTE_MODE_DEV_SET	22268	/*	*/
#define MDC_SABTE_MODE_DEV_UNDETERMINED	22269	/*	*/
#define MDC_SABTE_MODE_DEV_STANDBY	22270	/*	*/
#define MDC_SABTE_MODE_DEV_THERAPY	22271	/*	*/
#define MDC_SABTE_MODE_DEV_MASK_FITTING	22272	/*	*/
#define MDC_SABTE_MODE_DEV_DRYING	22273	/*	*/
#define MDC_SABTE_MODE_DEV_EXPORTING	22274	/*	*/
#define MDC_SABTE_MODE_THERAPY_SET	22280	/*	*/
#define MDC_SABTE_MODE_THERAPY_UNDETERMINED	22281	/*	*/
#define MDC_SABTE_MODE_THERAPY_CPAP	22282	/*	*/
#define MDC_SABTE_MODE_THERAPY_CPAP_AUTO	22283	/*	*/
#define MDC_SABTE_MODE_THERAPY_BPAP_S	22284	/*	*/
#define MDC_SABTE_MODE_THERAPY_BPAP_T	22285	/*	*/
#define MDC_SABTE_MODE_THERAPY_BPAP_ST	22286	/*	*/
#define MDC_SABTE_MODE_THERAPY_BPAP_S_AUTO	22287	/*	*/
#define MDC_SABTE_MODE_THERAPY_BPAP_T_AUTO	22288	/*	*/
#define MDC_SABTE_MODE_THERAPY_BPAP_ST_AUTO	22289	/*	*/
#define MDC_SABTE_MODE_THERAPY_ACSV	22290	/*	*/

/* Block: PHD_SABTE Partition: 128

Description: *PHD Disease Management SABTE Measurements* */

#define MDC_SABTE_PATT_COMPLIANCE_CLS	22300	/*	*/
#define MDC_SABTE_PATT_EFFICACY_CLS	22308	/*	*/
#define MDC_SABTE_PRESS	22336	/*	*/
#define MDC_SABTE_PRESS_INSTANT	22336	/*	*/
#define MDC_SABTE_PRESS_MAX	22337	/*	*/

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#define MDC_SABTE_PRESS_MIN	22338	/*	*/
#define MDC_SABTE_PRESS_MEAN	22339	/*	*/
#define MDC_SABTE_PRESS_P50	22343	/*	*/
#define MDC_SABTE_PRESS_P90	22345	/*	*/
#define MDC_SABTE_PRESS_P95	22346	/*	*/
#define MDC_SABTE_PRESS_TARGET	22352	/*	*/
#define MDC_SABTE_PRESS_CPAP_SET	22356	/*	*/
#define MDC_SABTE_PRESS_CPAP_AUTO_MAX_SET	22360	/*	*/
#define MDC_SABTE_PRESS_CPAP_AUTO_MIN_SET	22364	/*	*/
#define MDC_SABTE_PRESS_IPAP_SET	22368	/*	*/
#define MDC_SABTE_PRESS_EPAP_SET	22372	/*	*/
#define MDC_SABTE_PRESS_RAMP_START_SET	22376	/*	*/
#define MDC_SABTE_RESP_RATE	22384	/*	*/
#define MDC_SABTE_RESP_RATE_INSTANT	22384	/*	*/
#define MDC_SABTE_RESP_RATE_MAX	22385	/*	*/
#define MDC_SABTE_RESP_RATE_MIN	22386	/*	*/
#define MDC_SABTE_RESP_RATE_MEAN	22387	/*	*/
#define MDC_SABTE_RESP_RATE_P50	22391	/*	*/
#define MDC_SABTE_RESP_RATE_P90	22393	/*	*/
#define MDC_SABTE_RESP_RATE_P95	22394	/*	*/
#define MDC_SABTE_RESP_RATE_SET	22480	/*	*/
#define MDC_SABTE_RATIO_IE	22400	/*	*/
#define MDC_SABTE_RATIO_IE_INSTANT	22400	/*	*/
#define MDC_SABTE_RATIO_IE_MAX	22401	/*	*/
#define MDC_SABTE_RATIO_IE_MIN	22402	/*	*/
#define MDC_SABTE_RATIO_IE_MEAN	22403	/*	*/
#define MDC_SABTE_RATIO_IE_P50	22407	/*	*/
#define MDC_SABTE_RATIO_IE_P90	22409	/*	*/
#define MDC_SABTE_RATIO_IE_P95	22410	/*	*/
#define MDC_SABTE_RATIO_IE_SET	22484	/*	*/
#define MDC_SABTE_VOL_LEAK	22432	/*	*/

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#define MDC_SABTE_VOL_LEAK_INSTANT	22432	/*	*/
#define MDC_SABTE_VOL_LEAK_MAX	22433	/*	*/
#define MDC_SABTE_VOL_LEAK_MIN	22434	/*	*/
#define MDC_SABTE_VOL_LEAK_MEAN	22435	/*	*/
#define MDC_SABTE_VOL_LEAK_P50	22439	/*	*/
#define MDC_SABTE_VOL_LEAK_P90	22441	/*	*/
#define MDC_SABTE_VOL_LEAK_P95	22442	/*	*/
#define MDC_SABTE_VOL_MINUTE	22448	/*	*/
#define MDC_SABTE_VOL_MINUTE_INSTANT	22448	/*	*/
#define MDC_SABTE_VOL_MINUTE_MAX	22449	/*	*/
#define MDC_SABTE_VOL_MINUTE_MIN	22450	/*	*/
#define MDC_SABTE_VOL_MINUTE_MEAN	22451	/*	*/
#define MDC_SABTE_VOL_MINUTE_P50	22455	/*	*/
#define MDC_SABTE_VOL_MINUTE_P90	22457	/*	*/
#define MDC_SABTE_VOL_MINUTE_P95	22458	/*	*/
#define MDC_SABTE_VOL_TIDAL	22464	/*	*/
#define MDC_SABTE_VOL_TIDAL_INSTANT	22464	/*	*/
#define MDC_SABTE_VOL_TIDAL_MAX	22465	/*	*/
#define MDC_SABTE_VOL_TIDAL_MIN	22466	/*	*/
#define MDC_SABTE_VOL_TIDAL_MEAN	22467	/*	*/
#define MDC_SABTE_VOL_TIDAL_P50	22471	/*	*/
#define MDC_SABTE_VOL_TIDAL_P90	22473	/*	*/
#define MDC_SABTE_VOL_TIDAL_P95	22474	/*	*/

/* Block: PHD_GLU Partition: 128

Description: *PHD Disease Management Glucose Monitor* */

#define MDC_GLU_METER_DEV_STATUS 29144 /* */

#define MDC_CTXT_GLU_EXERCISE 29152 /* */

/* Block: PHD_GLU Partition: 128

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Description: *PHD Disease Management Glucose Monitor Carbohydrate Source* */

#define MDC_CTXT_GLU_CARB	29156	/*	*/
#define MDC_CTXT_GLU_CARB_UNDETERMINED	29157	/*	*/
#define MDC_CTXT_GLU_CARB_OTHER	29158	/*	*/
#define MDC_CTXT_GLU_CARB_NO_ENTRY	29159	/*	*/
#define MDC_CTXT_GLU_CARB_BREAKFAST	29160	/*	*/
#define MDC_CTXT_GLU_CARB_NO_INGESTION	29161	/*	*/
#define MDC_CTXT_GLU_CARB_LUNCH	29164	/*	*/
#define MDC_CTXT_GLU_CARB_DINNER	29168	/*	*/
#define MDC_CTXT_GLU_CARB_SNACK	29172	/*	*/
#define MDC_CTXT_GLU_CARB_DRINK	29176	/*	*/
#define MDC_CTXT_GLU_CARB_SUPPER	29180	/*	*/
#define MDC_CTXT_GLU_CARB_BRUNCH	29184	/*	*/

/* Block: PHD_GLU Partition: 128

Description: *PHD Disease Management Glucose Monitor, Insulin Type* */

#define MDC_CTXT_MEDICATION	29188	/*	*/
#define MDC_CTXT_MEDICATION_RAPIDACTING	29192	/*	*/
#define MDC_CTXT_MEDICATION_SHORTACTING	29196	/*	*/
#define MDC_CTXT_MEDICATION_INTERMEDIATEACTING	29200	/*	*/
#define MDC_CTXT_MEDICATION_LONGACTING	29204	/*	*/
#define MDC_CTXT_MEDICATION_PREMIX	29208	/*	*/

/* Block: PHD_GLU Partition: 128

Description: *PHD Disease Management Glucose Monitor, Health* */

#define MDC_CTXT_GLU_HEALTH	29212	/*	*/
#define MDC_CTXT_GLU_HEALTH_MINOR	29216	/*	*/
#define MDC_CTXT_GLU_HEALTH_MAJOR	29220	/*	*/
#define MDC_CTXT_GLU_HEALTH_MENSES	29224	/*	*/
#define MDC_CTXT_GLU_HEALTH_STRESS	29228	/*	*/
#define MDC_CTXT_GLU_HEALTH_NONE	29232	/*	*/

```

/* Block: PHD_GLU                                     Partition: 128

Description: PHD Disease Management Glucose Monitor, Location                */

#define MDC_CTXT_GLU_SAMPLELOCATION                    29236  /*                */
#define MDC_CTXT_GLU_SAMPLELOCATION_UNDETERMINED      29237  /*                */
#define MDC_CTXT_GLU_SAMPLELOCATION_OTHER             29238  /*                */
#define MDC_CTXT_GLU_SAMPLELOCATION_FINGER            29240  /*                */
#define MDC_CTXT_GLU_SAMPLELOCATION_SUBCUTANEOUS      29241  /*                */
#define MDC_CTXT_GLU_SAMPLELOCATION_AST               29244  /*                */
#define MDC_CTXT_GLU_SAMPLELOCATION_EARLOBE           29248  /*                */
#define MDC_CTXT_GLU_SAMPLELOCATION_CTRL SOLUTION     29252  /*                */

/* Block: PHD_GLU                                     Partition: 128

Description: PHD Disease Management Glucose Monitor, Meal                  */

#define MDC_CTXT_GLU_MEAL                            29256  /*                */
#define MDC_CTXT_GLU_MEAL_PREPRANDIAL                29260  /*                */
#define MDC_CTXT_GLU_MEAL_BEDTIME                    29261  /*                */
#define MDC_CTXT_GLU_MEAL_POSTPRANDIAL               29264  /*                */
#define MDC_CTXT_GLU_MEAL_FASTING                    29268  /*                */
#define MDC_CTXT_GLU_MEAL_CASUAL                     29272  /*                */

/* Block: PHD_GLU                                     Partition: 128

Description: PHD Disease Management Glucose Monitor, Tester              */

#define MDC_CTXT_GLU_TESTER                          29276  /*                */
#define MDC_CTXT_GLU_TESTER_SELF                     29280  /*                */
#define MDC_CTXT_GLU_TESTER_HCP                      29284  /*                */
#define MDC_CTXT_GLU_TESTER_LAB                      29288  /*                */

/* Block: PHD_GLU                                     Partition: 128

Description: PHD Disease Management INR status and context                */

```

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```
#define MDC_BATCHCODE_COAG                29300  /* */
#define MDC_INR_METER_DEV_STATUS           29301  /* */
#define MDC_TARGET_LEVEL_COAG              29304  /* */
#define MDC_MED_CURRENT_COAG               29308  /* */
#define MDC_MED_NEW_COAG                   29312  /* */
#define MDC_CTXT_INR_TESTER                29316  /* */
#define MDC_CTXT_INR_TESTER_SELF           29317  /* */
#define MDC_CTXT_INR_TESTER_HCP            29318  /* */
#define MDC_CTXT_INR_TESTER_LAB            29319  /* */
```

```
/* Block: PHD_GLU                                Partition: 128
Description: PHD Disease Management Continuous Glucose Monitor, Thresholds */
#define MDC_CONC_GLU_TREND                  29400  /* */
#define MDC_CONC_GLU_PATIENT_THRESHOLDS_LOW_HIGH 29404  /* */
#define MDC_CONC_GLU_PATIENT_THRESHOLD_LOW  29405  /* */
#define MDC_CONC_GLU_PATIENT_THRESHOLD_HIGH 29406  /* */
#define MDC_CONC_GLU_THRESHOLDS_HYPO_HYPER  29408  /* */
#define MDC_CONC_GLU_THRESHOLD_HYPO         29409  /* */
#define MDC_CONC_GLU_THRESHOLD_HYPER        29410  /* */
#define MDC_CONC_GLU_RATE_THRESHOLDS        29412  /* */
#define MDC_CONC_GLU_RATE_THRESHOLD_INCREASE 29413  /* */
#define MDC_CONC_GLU_RATE_THRESHOLD_DECREASE 29414  /* */
```

```
/* Block: PHD_CGM                                Partition: 128
Description: PHD Disease Management Continuous Glucose Monitor Sensor */
#define MDC_CGM_SENSOR_CALIBRATION          29428  /* */
#define MDC_CGM_SENSOR_RUN_TIME              29432  /* */
#define MDC_CGM_SENSOR_SAMPLE_INTERVAL      29436  /* */
#define MDC_CGM_DEV_STAT                     29452  /* */
#define MDC_CGM_DEV_TYPE_SENSOR              29460  /* */
```

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```

#define MDC_CGM_DEV_TYPE_TRANSMITTER          29461  /*          */
#define MDC_CGM_DEV_TYPE_RECEIVER              29462  /*          */
#define MDC_CGM_DEV_TYPE_OTHER                 29463  /*          */

/* Block: PHD_INS                               Partition: 128
Description: PHD Disease Management Insulin Pump Sensor          */
#define MDC_INS_BASAL                          29680  /* Delivered basal insulin          */
#define MDC_INS_BASAL_RATE_SETTING             29692  /* Current basal insulin           */
                                                rate setting          */
#define MDC_INS_BASAL_PRGM                    29693  /* Programed basal insulin         */
                                                rate                  */
#define MDC_INS_BASAL_TEMP_ABS                 29694  /* Temporary basal rate,          */
                                                absolute              */
#define MDC_INS_BASAL_TEMP_REL                 29695  /* Temporary basal rate,          */
                                                relative              */
#define MDC_INS_BASAL_UNDETERMINED             29696  /* Undetermined basal            */
#define MDC_INS_BASAL_DEVICE                   29697  /* Insulin pump device set        */
                                                basal                 */
#define MDC_INS_BASAL_REMOTE                   29698  /* Remote control set basal       */
                                                                     */
#define MDC_INS_BASAL_AP_CTRL                  29699  /* Controller set basal           */
                                                insulin rate          */
#define MDC_INS_BASAL_OTHER                    29700  /* Rate set by an other           */
                                                source                */
#define MDC_INS_BASAL_RATE_SCHED               29712  /* Basal rate schedule            */
                                                setting               */
#define MDC_INS_BOLUS_SET                      29724  /* Bolus amount set              */
#define MDC_INS_BOLUS                          29736  /* Delivered bolus insulin        */
                                                                     */
#define MDC_INS_BOLUS_FAST                     29737  /* Fast bolus                     */

```

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```

#define MDC_INS_BOLUS_EXT                29738  /* Extended bolus          */
#define MDC_INS_BOLUS_CORR              29739  /* Correction bolus        */
#define MDC_INS_BOLUS_MEAL              29740  /* Meal bolus              */
#define MDC_INS_BOLUS_UNDETERMINED      29741  /* Undetermined bolus     */

#define MDC_INS_BOLUS_MANUAL            29742  /* Manual, user defined
                                         bolus                    */
#define MDC_INS_BOLUS_RECOMMENDED      29743  /* Recommended bolus       */
#define MDC_INS_BOLUS_MANUAL_CHANGE    29744  /* Recommended bolus
                                         Changed by user         */
#define MDC_INS_BOLUS_CMDANDED          29745  /* Commanded bolus        */
#define MDC_INS_BOLUS_OTHER             29746  /* Other bolus             */
#define MDC_INS_BOLUS_PENDING_DELAY    29747  /* Bolus pending delay    */
#define MDC_INS_I2CHO_SCHED             29756  /* I:CHO schedule setting */
#define MDC_INS_ISF_SCHED              29768  /* ISF schedule setting   */
#define MDC_INS_RESERVOIR              29780  /* Insulin reservoir
                                         remaining                */
#define MDC_INS_CONC                   29792  /* Insulin concentration  */
#define MDC_INS_PUMP_OP_STAT            29804  /* Operational status     */
#define MDC_INS_PUMP_DEV_STAT           29836  /* Insulin pump device
                                         status                   */

/* Block: PHD_PSM                      Partition: 128
Description: PHD Disease Management Power Status Monitor
#define MDC_BATTERY_CAPACITY            29900  /*
#define MDC_BATTERY_STATUS              29904  /*
#define MDC_BATTERY_1                   29912  /* first battery
#define MDC_BATTERY_2                   29920  /* second battery
#define MDC_BATTERY_3                   29928  /* third battery
#define MDC_BATTERY_4                   29936  /* fourth battery

```

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```
#define MDC_BATTERY_5          29944  /* fifth battery      */
#define MDC_BATTERY_6          29952  /* sixth battery      */
#define MDC_BATTERY_7          29960  /* seventh battery    */
#define MDC_BATTERY_8          29968  /* eighth battery     */
#define MDC_BATTERY_9          29976  /* ninth battery      */
#define MDC_BATTERY_10         29984  /* tenth battery      */
#define MDC_BATTERY_11         29992  /* eleventh battery   */
#define MDC_BATTERY_12         30000  /* twelfth battery    */
#define MDC_BATTERY_13         30008  /* thirteenth battery */
#define MDC_BATTERY_14         30016  /* fourteenth battery */
#define MDC_BATTERY_15         30024  /* fifteenth battery  */
#define MDC_BATTERY_16         30032  /* sixteenth battery  */

/* Block: PHD_PEF                      Partition: 128

Description: PHD Disease Management Peak Expiratory Flow

#define MDC_PEF_READING_STATUS    30720  /*
```

B.14 PHD Health Fitness – Partition 129

```
/* Block: PHD_HF                      Partition: 129

Description: PHD Health Fitness measurements

#define MDC_HF_ALT_GAIN          100  /*
#define MDC_HF_ALT_LOSS          101  /*
#define MDC_HF_ALT                102  /*
#define MDC_HF_DISTANCE          103  /*
#define MDC_HF_ASC_TIME_DIST      104  /*
#define MDC_HF_DESC_TIME_DIST     105  /*
#define MDC_HF_LATITUDE          106  /*
#define MDC_HF_LONGITUDE         107  /*
#define MDC_HF_PROGRAM_ID        108  /*
#define MDC_HF_SLOPES            109  /*
```


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#define MDC_HF_SPEED	110	/*	*/
#define MDC_HF_CAD	111	/*	*/
#define MDC_HF_INCLINE	112	/*	*/
#define MDC_HF_HR_MAX_USER	113	/*	*/
#define MDC_HF_HR	114	/*	*/
#define MDC_HF_POWER	115	/*	*/
#define MDC_HF_RESIST	116	/*	*/
#define MDC_HF_STRIDE	117	/*	*/
#define MDC_HF_ENERGY	119	/*	*/
#define MDC_HF_CAL_INGEST	120	/*	*/
#define MDC_HF_CAL_INGEST_CARB	121	/*	*/
#define MDC_HF_SUST_PA_THRESHOLD	122	/*	*/
#define MDC_HF_SESSION	123	/*	*/
#define MDC_HF_SUBSESSION	124	/*	*/
#define MDC_HF_ACTIVITY_TIME	125	/*	*/
#define MDC_HF_AGE	126	/*	*/
#define MDC_HF_ACTIVITY_INTENSITY	127	/*	*/
#define MDC_HF_WEIGHTLOSS	128	/*	*/
/* Block: PHD_HF	Partition: 129		
Description: <i>PHD Health Fitness Exercise</i>			
#define MDC_HF_SET	200	/*	*/
#define MDC_HF_EXERCISE_POSITION	204	/*	*/
#define MDC_HF_EXERCISE_LATERALITY	205	/*	*/
#define MDC_HF_EXERCISE_GRIP	206	/*	*/
#define MDC_HF_EXERCISE_MOVEMENT	207	/*	*/
#define MDC_HF_SET_STRT	208	/*	*/
#define MDC_HF_REPETITION	400	/*	*/
#define MDC_HF_REPETITION_COUNT	404	/*	*/
#define MDC_HF_RESISTANCE	408	/*	*/
#define MDC_HF_LATERALITY_BOTH	1200	/*	*/

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#define MDC_HF_LATERALITY_RIGHT	1201	/*	*/
#define MDC_HF_LATERALITY_LEFT	1202	/*	*/
#define MDC_HF_POSITION_INCLINE	1203	/*	*/
#define MDC_HF_POSITION_DECLINE	1204	/*	*/
#define MDC_HF_POSITION_SEATED	1205	/*	*/
#define MDC_HF_POSITION_STANDING	1206	/*	*/
#define MDC_HF_POSITION_KNEELING	1207	/*	*/
#define MDC_HF_POSITION_BENTOVER	1208	/*	*/
#define MDC_HF_POSITION_HANGING	1209	/*	*/
#define MDC_HF_POSITION_OVERHEAD	1210	/*	*/
#define MDC_HF_POSITION_LYING	1211	/*	*/
#define MDC_HF_MOVEMENT_FLEXION	1300	/*	*/
#define MDC_HF_MOVEMENT_EXTENSION	1301	/*	*/
#define MDC_HF_MOVEMENT_ROTATION	1302	/*	*/
#define MDC_HF_MOVEMENT ABDUCTION	1303	/*	*/
#define MDC_HF_MOVEMENT ADDUCTION	1304	/*	*/
#define MDC_HF_GRIP_PARALLEL	1400	/*	*/
#define MDC_HF_GRIP_OVERHAND	1401	/*	*/
#define MDC_HF_GRIP_UNDERHAND	1402	/*	*/
#define MDC_HF_GRIP_CLOSE	1403	/*	*/
#define MDC_HF_GRIP_WIDE	1404	/*	*/
#define MDC_HF_GRIP GRIPLESS	1405	/*	*/
/* Block: PHD_HF_ACT	Partition: 129		
Description: PHD Health Fitness Activities			*/
#define MDC_HF_ACT_AMB	1000	/*	*/
#define MDC_HF_ACT_REST	1001	/*	*/
#define MDC_HF_ACT_MOTOR	1002	/*	*/
#define MDC_HF_ACT_LYING	1003	/*	*/
#define MDC_HF_ACT_SLEEP	1004	/*	*/
#define MDC_HF_ACT_PHYS	1005	/*	*/

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#define MDC_HF_ACT_SUS_PHYS	1006	/*	*/
#define MDC_HF_ACT_UNKNOWN	1007	/*	*/
#define MDC_HF_ACT_MULTIPLE	1008	/*	*/
#define MDC_HF_ACT_MONITOR	1009	/*	*/
#define MDC_HF_ACT_SKI	1010	/*	*/
#define MDC_HF_ACT_RUN	1011	/*	*/
#define MDC_HF_ACT_BIKE	1012	/*	*/
#define MDC_HF_ACT_STAIR	1013	/*	*/
#define MDC_HF_ACT_ROW	1014	/*	*/
#define MDC_HF_ACT_HOME	1015	/*	*/
#define MDC_HF_ACT_WORK	1016	/*	*/
#define MDC_HF_ACT_WALK	1017	/*	*/
#define MDC_HF_ACT_EXERCISE_BIKE	1018	/*	*/
#define MDC_HF_ACT_GOLF	1019	/*	*/
#define MDC_HF_ACT_HIKE	1020	/*	*/
#define MDC_HF_ACT_SWIM	1021	/*	*/
#define MDC_HF_ACT_AEROBICS	1022	/*	*/
#define MDC_HF_ACT_DUMBBELL	1023	/*	*/
#define MDC_HF_ACT_WEIGHT	1024	/*	*/
#define MDC_HF_ACT_BAND	1025	/*	*/
#define MDC_HF_ACT_STRETCH	1026	/*	*/
#define MDC_HF_ACT_YOGA	1027	/*	*/
#define MDC_HF_ACT_WATER_WALK	1028	/*	*/
/* Block: PHD_HF	Partition: 129		
Description: PHD Health Fitness Measurements			*/
#define MDC_HF_MEAN_NULL_INCLUDE	2000	/*	*/
#define MDC_HF_MEAN_NULL_EXCLUDE	2001	/*	*/
#define MDC_HF_MAX	2002	/*	*/
#define MDC_HF_MIN	2003	/*	*/
#define MDC_HF_RMS	2004	/* Root Mean Squared	*/

#define MDC_HF_PIM	2005	/* Proportional Integral	
		Mode	*/
#define MDC_HF_PIM_X	2006	/* PIM_X	*/
#define MDC_HF_PIM_Y	2007	/* PIM_Y	*/
#define MDC_HF_PIM_Z	2008	/* PIM_Z	*/
#define MDC_HF_TAT	2009	/* Time above threshold	*/
#define MDC_HF_TAT_THRESHOLD	2010	/* TAT Threshold	*/
#define MDC_HF_3D_ACC_X	2011	/* Acceleration_X	*/
#define MDC_HF_3D_ACC_Y	2012	/* Acceleration_Y	*/
#define MDC_HF_3D_ACC_Z	2013	/* Acceleration_Z	*/
#define MDC_HF_3D_ACC_Z_G_OFFSET	2014	/* Acceleration_Z with	
		G offset	*/
#define MDC_HF_3D_ANG_ACC_X	2015	/* Angular Acceleration_X	*/
#define MDC_HF_3D_ANG_ACC_Y	2016	/* Angular Acceleration_Y	*/
#define MDC_HF_3D_ANG_ACC_Z	2017	/* Angular Acceleration_Z	*/
#define MDC_HF_INST	2018	/*	*/

B.15 PHD Aging Independently – Partition 130

/* Block: PHD_AI		Partition: 130	
Description: <i>PHD Aging Independently</i>			*/
/* Block: PHD AI Sensors		Partition: 130	
Description: <i>PHD AI Sensors</i>			*/
#define MDC_AI_TYPE_SENSOR_FALL	1	/*	*/
#define MDC_AI_TYPE_SENSOR_PERS	2	/*	*/
#define MDC_AI_TYPE_SENSOR_SMOKE	3	/*	*/
#define MDC_AI_TYPE_SENSOR_CO	4	/*	*/
#define MDC_AI_TYPE_SENSOR_WATER	5	/*	*/
#define MDC_AI_TYPE_SENSOR_GAS	6	/*	*/
#define MDC_AI_TYPE_SENSOR_MOTION	7	/*	*/
#define MDC_AI_TYPE_SENSOR_PROPEXIT	8	/*	*/

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#define MDC_AI_TYPE_SENSOR_ENURESIS	9	/*	*/
#define MDC_AI_TYPE_SENSOR_CONTACTCLOSURE	10	/*	*/
#define MDC_AI_TYPE_SENSOR_USAGE	11	/*	*/
#define MDC_AI_TYPE_SENSOR_SWITCH	12	/*	*/
#define MDC_AI_TYPE_SENSOR_DOSAGE	13	/*	*/
#define MDC_AI_TYPE_SENSOR_TEMP	14	/*	*/
#define MDC_AI_TYPE_SENSOR_HUMIDITY	15	/*	*/
#define MDC_AI_TYPE_ELECTRICITY_ACCUMULATED_USAGE	24	/*	*/
#define MDC_AI_TYPE_GAS_ACCUMULATED_USAGE	28	/*	*/
#define MDC_AI_TYPE_WATER_ACCUMULATED_USAGE	32	/*	*/
#define MDC_AI_TYPE_SOLAR_ACCUMULATED	36	/*	*/
#define MDC_AI_TYPE_ELECTRICITY_INSTANTANEOUS_USAGE	40	/*	*/
#define MDC_AI_TYPE_GAS_INSTANTANEOUS_USAGE	44	/*	*/
#define MDC_AI_TYPE_WATER_INSTANTANEOUS_USAGE	48	/*	*/
#define MDC_AI_TYPE_SOLAR_INSTANTANEOUS	52	/*	*/
#define MDC_AI_TYPE_PERSON_IDENTITY	56	/*	*/
#define MDC_AI_TYPE_SENSOR_LOCATION	60	/*	*/
#define MDC_AI_TYPE_BASE_COORD	64	/*	*/
#define MDC_AI_TYPE_BASE_COORD_X	68	/*	*/
#define MDC_AI_TYPE_BASE_COORD_Y	72	/*	*/
#define MDC_AI_TYPE_BASE_COORD_Z	76	/*	*/
#define MDC_AI_TYPE_BASE_COORD_ANGLE	80	/*	*/
#define MDC_AI_TYPE_BASE_LOCATION	84	/*	*/
#define MDC_AI_TYPE_SENSOR_REL_COORD	88	/*	*/
#define MDC_AI_TYPE_SENSOR_REL_COORD_X	92	/*	*/
#define MDC_AI_TYPE_SENSOR_REL_COORD_Y	96	/*	*/
#define MDC_AI_TYPE_SENSOR_REL_COORD_Z	100	/*	*/
#define MDC_AI_TYPE_SENSOR_GPS_LOCATION	104	/*	*/
#define MDC_AI_TYPE_SENSOR_GPS_LATITUDE	108	/*	*/
#define MDC_AI_TYPE_SENSOR_GPS_LONGITUDE	112	/*	*/
#define MDC_AI_TYPE_SENSOR_GPS_ALTITUDE	116	/*	*/

```
#define MDC_AI_TYPE_SENSOR_SPEED          120    /* */
#define MDC_AI_TYPE_SENSOR_HEADING        124    /* */
#define MDC_AI_TYPE_SENSOR_ALTITUDE       128    /* */
#define MDC_AI_TYPE_SENSOR_REL_ALTITUDE   132    /* */
```

```
/* Block: PHD_AI_LOCATION                Partition: 130
Description: PHD AI Locations */
```

```
#define MDC_AI_LOCATION_UNKNOWN           1024    /* */
#define MDC_AI_LOCATION_UNSPECIFIED       1088    /* */
#define MDC_AI_LOCATION_RESIDENT          1152    /* */
#define MDC_AI_LOCATION_LOCALUNIT         1216    /* */
#define MDC_AI_LOCATION_BUILDING          1248    /* Buildings 0-31 */
#define MDC_AI_LOCATION_BUILDING_MID      1280    /* Buildings 32-63 */
#define MDC_AI_LOCATION_BUILDING_HIGH     1312    /* Buildings 64-95 */
#define MDC_AI_LOCATION_FLOOR             1344    /* Floors 0-31 */
#define MDC_AI_LOCATION_FLOOR_MID         1376    /* Floors 32-63 */
#define MDC_AI_LOCATION_FLOOR_HIGH        1408    /* Floors 64-95 */
#define MDC_AI_LOCATION_BASEMENT           1440    /* Lower floors 0 - 31 */
#define MDC_AI_LOCATION_ZONE              1472    /* Zone 0-31 */
#define MDC_AI_LOCATION_ZONE_MID          1504    /* Zone 32-63 */
#define MDC_AI_LOCATION_ZONE_HIGH         1536    /* Zone 64-95 */
#define MDC_AI_LOCATION_BEACON            1568    /* e.g.wireless beacon */
#define MDC_AI_LOCATION_FLOOR_MEZZANINE   1600    /* Mezzanine floor */
#define MDC_AI_LOCATION_FLOOR_GROUND      1632    /* Ground floor */
```

```
/* Block: PHD AI Rooms                    Partition: 130
Description: PHD AI Rooms */
```

```
#define MDC_AI_LOCATION_BEDROOM           3072    /* */
#define MDC_AI_LOCATION_BEDROOMMASTER    3136    /* */
#define MDC_AI_LOCATION_TOILET            3200    /* */
#define MDC_AI_LOCATION_TOILETMAIN        3264    /* */
```

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#define MDC_AI_LOCATION_OUTSIDETOILET	3328	/*	*/
#define MDC_AI_LOCATION_SHOWERROOM	3392	/*	*/
#define MDC_AI_LOCATION_KITCHEN	3456	/*	*/
#define MDC_AI_LOCATION_KITCHENMAIN	3520	/*	*/
#define MDC_AI_LOCATION_LIVINGAREA	3584	/*	*/
#define MDC_AI_LOCATION_LIVINGROOM	3648	/*	*/
#define MDC_AI_LOCATION_DININGROOM	3712	/*	*/
#define MDC_AI_LOCATION_STUDY	3776	/*	*/
#define MDC_AI_LOCATION_HALL	3840	/*	*/
#define MDC_AI_LOCATION_LANDING	3904	/*	*/
#define MDC_AI_LOCATION_STAIRS	3968	/*	*/
#define MDC_AI_LOCATION_HALLLANDINGSTAIRS	4032	/*	*/
#define MDC_AI_LOCATION_GARAGE	4096	/*	*/
#define MDC_AI_LOCATION_GARDENGARAGE	4160	/*	*/
#define MDC_AI_LOCATION_GARDENGARAGEAREA	4224	/*	*/
#define MDC_AI_LOCATION_FRONTGARDEN	4288	/*	*/
#define MDC_AI_LOCATION_BACKGARDEN	4352	/*	*/
#define MDC_AI_LOCATION_SHED	4416	/*	*/
#define MDC_AI_LOCATION_CONSERVATORY	4480	/*	*/
/* Block: PHD AI Appliances	Partition: 130		
Description: <i>PHD AI Appliances</i>			*/
#define MDC_AI_APPLIANCE_KETTLE	7168	/* Note: Self heating	*/
#define MDC_AI_APPLIANCE_TELEVISION	7232	/*	*/
#define MDC_AI_APPLIANCE_STOVE	7296	/*	*/
#define MDC_AI_APPLIANCE_MICROWAVE	7360	/*	*/
#define MDC_AI_APPLIANCE_TOASTER	7424	/*	*/
#define MDC_AI_APPLIANCE_VACUUM	7488	/*	*/
#define MDC_AI_APPLIANCE_APPLIANCE	7552	/*	*/
#define MDC_AI_APPLIANCE_FAUCET	7616	/*	*/
#define MDC_AI_APPLIANCE_OVEN	7648	/*	*/

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#define MDC_AI_APPLIANCE_FRIDGE	7680	/*	*/
#define MDC_AI_APPLIANCE_COFFEEMAKER	7712	/*	*/
#define MDC_AI_APPLIANCE_DISHWASHER	7744	/*	*/
#define MDC_AI_APPLIANCE_CANOPENER	7776	/*	*/
#define MDC_AI_APPLIANCE_FOODPROCESSOR	7808	/*	*/
#define MDC_AI_APPLIANCE_MIXER	7840	/*	*/
#define MDC_AI_APPLIANCE_EXTRACTORFAN	7872	/*	*/
#define MDC_AI_APPLIANCE_HEATER	7904	/*	*/
#define MDC_AI_APPLIANCE_BOILER	7936	/*	*/
#define MDC_AI_APPLIANCE_FAN	7968	/*	*/
#define MDC_AI_APPLIANCE_AIRCON	8000	/*	*/
#define MDC_AI_APPLIANCE_LIGHT	8032	/*	*/
#define MDC_AI_APPLIANCE_LIGHTSWITCH	8064	/*	*/
#define MDC_AI_APPLIANCE_LAMP	8096	/*	*/
#define MDC_AI_APPLIANCE_COMPUTER	8128	/*	*/
#define MDC_AI_APPLIANCE_MONITOR	8160	/*	*/
#define MDC_AI_APPLIANCE_PRINTER	8192	/*	*/
#define MDC_AI_APPLIANCE_WASHINGMACHINE	8224	/*	*/
#define MDC_AI_APPLIANCE_HOUSE	8256	/*	*/
#define MDC_AI_APPLIANCE_GATEWAY	8288	/*	*/
#define MDC_AI_APPLIANCE_SHOWER	8320	/*	*/
#define MDC_AI_APPLIANCE_BATHROOMTAP	8352	/*	*/
#define MDC_AI_APPLIANCE_KITCHENTAP	8384	/*	*/
#define MDC_AI_APPLIANCE_TELEPHONE	8416	/*	*/
#define MDC_AI_APPLIANCE_ENTRYPHONE	8448	/*	*/
#define MDC_AI_APPLIANCE_MODEM	8480	/*	*/
#define MDC_AI_APPLIANCE_TABLETPC	8512	/*	*/
#define MDC_AI_APPLIANCE_CELLPHONE	8544	/*	*/
#define MDC_AI_APPLIANCE_BLENDER	8576	/*	*/
#define MDC_AI_APPLIANCE_JUICER	8608	/*	*/
#define MDC_AI_APPLIANCE_OUTLET	8640	/*	*/

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```
#define MDC_AI_APPLIANCE_RADIATOR                8672    /*          */

/* Block: PHD AI Doors and Windows                Partition: 130

Description: PHD AI Doors and Windows                */

#define MDC_AI_LOCATION_FRONTDOOR                9216    /*          */
#define MDC_AI_LOCATION_BACKDOOR                9280    /*          */
#define MDC_AI_LOCATION_FRIDGEDOOR                9344    /*          */
#define MDC_AI_LOCATION_MEDCABDOOR                9408    /*          */
#define MDC_AI_LOCATION_WARDROBEDOOR                9472    /*          */
#define MDC_AI_LOCATION_FRONTCUPBOARDDOOR                9536    /*          */
#define MDC_AI_LOCATION_OTHERDOOR                9600    /*          */
#define MDC_AI_LOCATION_SIDEDOOR                9632    /*          */
#define MDC_AI_LOCATION_WINDOW                9664    /* Windows 0-31 */
#define MDC_AI_LOCATION_WINDOW_MID                9696    /* Windows 32-63 */
#define MDC_AI_LOCATION_WINDOW_HIGH                9728    /* Windows 64-95 */

/* Block: PHD AI Usage and Locations Sensors        Partition: 130

Description: PHD AI Usage and Locations Sensors (furniture)                */

#define MDC_AI_LOCATION_BED                11264    /*          */
#define MDC_AI_LOCATION_CHAIR                11328    /*          */
#define MDC_AI_LOCATION_SOFA                11392    /*          */
#define MDC_AI_LOCATION_TOILET_SEAT                11456    /*          */
#define MDC_AI_LOCATION_STOOL                11520    /*          */
#define MDC_AI_LOCATION_ARMCHAIR                11552    /*          */
#define MDC_AI_LOCATION_DESK                11584    /*          */
#define MDC_AI_LOCATION_SWING                11616    /*          */
#define MDC_AI_LOCATION_TABLE                11648    /*          */
#define MDC_AI_LOCATION_CUPBOARD                11680    /*          */
#define MDC_AI_LOCATION_WHEELCHAIR                11712    /*          */

/* Block: PHD_AI_Med                                Partition: 130
```

```

Description: PHD AI Med Dispenser */

#define MDC_AI_MED_DISPENSED_FIXED          13312  /* */
#define MDC_AI_MED_DISPENSED_VARIABLE       13313  /* */
#define MDC_AI_MED_STATUS                   13314  /* */
#define MDC_AI_MED_FEEDBACK                 13315  /* */
#define MDC_AI_MED_UF_LOCATION              13316  /* */
#define MDC_AI_MED_UF_RESPONSE              13317  /* */
#define MDC_AI_MED_UF_TYPE_YESNO           13318  /* */
#define MDC_AI_MED_UF_TYPE_1_5             13319  /* */
#define MDC_AI_MED_UF_TYPE_1_100           13320  /* */

/* Block: PHD AI Rooms Partition: 130
Description: PHD AI Rooms */

/* The following are specified in ZigBee Home Automation Profile
- locations already defined in this standard are not repeated and the existing code is
given as comment
- the number may be determined as ((HA-1)*32+20000) */
- the ZigBee HA code is given as comment */

#define MDC_AI_LOCATION_ATRIUM              20000  /* 0x01 */
#define MDC_AI_LOCATION_BAR                 20032  /* 0x02 */
#define MDC_AI_LOCATION_COURTYARD           20064  /* 0x03 */
#define MDC_AI_LOCATION_BATHROOM            20096  /* 0x04 */
/* Bedroom => MDC_AI_LOCATION_BEDROOM      3072  0x05 */
#define MDC_AI_LOCATION_BILLIARDROOM        20160  /* 0x06 */
#define MDC_AI_LOCATION_UTILILITYROOM       20192  /* 0x07 */
#define MDC_AI_LOCATION_CELLAR              20224  /* 0x08 */
#define MDC_AI_LOCATION_CLOSET              20256  /* 0x09 */
#define MDC_AI_LOCATION_THEATER             20288  /* 0x0A */
#define MDC_AI_LOCATION_OFFICE              20320  /* 0x0B */
#define MDC_AI_LOCATION_DECK               20352  /* 0x0C */
#define MDC_AI_LOCATION_DEN                20384  /* 0x0D */

```

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/* Dining room => MDC_AI_LOCATION_DININGROOM	3712	0x0E	*/
#define MDC_AI_LOCATION_ELECTRICALROOM	20448	/* 0x0F	*/
#define MDC_AI_LOCATION_ELEVATOR	20480	/* 0x10	*/
#define MDC_AI_LOCATION_ENTRY	20512	/* 0x11	*/
#define MDC_AI_LOCATION_FAMILYROOM	20544	/* 0x12	*/
#define MDC_AI_LOCATION_MAINFLOOR	20576	/* 0x13	*/
/* Upstairs => MDC_AI_LOCATION_FLOOR_01	1345	0x14	*/
/* Downstairs => MDC_AI_LOCATION_FLOOR_00	1344	0x15	*/
/* Basement => MDC_AI_LOCATION_BASEMENT	1440	0x16	*/
#define MDC_AI_LOCATION_GALLERY	20704	/* 0x17	*/
#define MDC_AI_LOCATION_GAMEROOM	20736	/* 0x18	*/
/* Garage => MDC_AI_LOCATION_GARAGE	4096	0x19	*/
#define MDC_AI_LOCATION_GYM	20800	/* 0x1A	*/
/* Hallway => MDC_AI_LOCATION_HALL	2840	0x1B	*/
#define MDC_AI_LOCATION_HOUSE	20864	/* 0x1C	*/
/* Kitchen => MDC_AI_LOCATION_KITCHEN	3456	0x1D	*/
#define MDC_AI_LOCATION_LAUNDRYROOM	20928	/* 0x1E	*/
#define MDC_AI_LOCATION_LIBRARY	20960	/* 0x1F	*/
/* Master bedroom => MDC_AI_LOCATION_BEDROOMMASTER	3136	0x20	*/
#define MDC_AI_LOCATION_MUDROOM	21024	/* 0x21	*/
#define MDC_AI_LOCATION_NURSERY	21056	/* 0x22	*/
#define MDC_AI_LOCATION_PANTRY	21088	/* 0x23	*/
#define MDC_AI_LOCATION_OUTSIDE	21152	/* 0x25	*/
#define MDC_AI_LOCATION_POOL	21184	/* 0x26	*/
#define MDC_AI_LOCATION_PORCH	21216	/* 0x27	*/
#define MDC_AI_LOCATION_SEWINGROOM	21248	/* 0x28	*/
#define MDC_AI_LOCATION_SITTINGROOM	21280	/* 0x29	*/
/* stairway => MDC_AI_LOCATION_STAIRS	3968	0x2A	*/
#define MDC_AI_LOCATION_YARD	21344	/* 0x2B	*/
#define MDC_AI_LOCATION_ATTIC	21376	/* 0x2C	*/
#define MDC_AI_LOCATION_HOTTUB	21408	/* 0x2D	*/

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```

/* Living room => MDC_AI_LOCATION_LIVINGROOM          3648    0x2E          */
#define MDC_AI_LOCATION_SAUNA                          21472   /* 0x2F          */
#define MDC_AI_LOCATION_WORKSHOP                       21504   /* 0x30          */
#define MDC_AI_LOCATION_GUESTBEDROOM                   21536   /* 0x31          */
#define MDC_AI_LOCATION_GUESTBATHROOM                   21568   /* 0x32          */
#define MDC_AI_LOCATION_POWDERROOM                     21600   /* 0x33          */
#define MDC_AI_LOCATION_BACKYARD                       21632   /* 0x34          */
#define MDC_AI_LOCATION_FRONTYARD                      21664   /* 0x35          */
#define MDC_AI_LOCATION_PATIO                          21696   /* 0x36          */
#define MDC_AI_LOCATION_DRIVEWAY                       21728   /* 0x37          */
#define MDC_AI_LOCATION_SUNROOM                        21760   /* 0x38          */
/* Living room => MDC_AI_LOCATION_LIVINGROOM          3648    0x39          */
#define MDC_AI_LOCATION_SPA                            21824   /* 0x3A          */
#define MDC_AI_LOCATION_WHIRLPOOL                      21856   /* 0x3B          */
/* Shed => MDC_AI_LOCATION_SHED                       4416    0x3C          */
#define MDC_AI_LOCATION_EQUIPMENTSTORAGE                21920   /* 0x3D          */
#define MDC_AI_LOCATION_HOBBYROOM                      21952   /* 0x3E          */
#define MDC_AI_LOCATION_FOUNTAIN                      21984   /* 0x3F          */
#define MDC_AI_LOCATION_POND                          22016   /* 0x40          */
#define MDC_AI_LOCATION_RECEPTIONROOM                  22048   /* 0x41          */
#define MDC_AI_LOCATION_BREAKFASTROOM                  22080   /* 0x42          */
#define MDC_AI_LOCATION_NOOK                          22112   /* 0x43          */
#define MDC_AI_LOCATION_GARDEN                        22144   /* 0x44          */
#define MDC_AI_LOCATION_BALCONY                       22176   /* 0x45          */
#define MDC_AI_LOCATION_PANICROOM                     22208   /* 0x46          */
#define MDC_AI_LOCATION_TERRACE                       22240   /* 0x47          */
#define MDC_AI_LOCATION_ROOF                          22272   /* 0x48          */
#define MDC_AI_LOCATION_PLAYROOM                      22304   /* 0x49          */

/* Block: PHD AI Medical Facility Rooms                  Partition: 130
Description: PHD AI Medical Facility Rooms              */

```

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```

/* The following are for medical facility rooms from
    ZigBee Healthcare Profile (ZHCP) */

/* The number may be determined as ((ZHCP-0x64)*32+35000 */

/* The ZigBee HA code is given as comment */

/* Further codes have been added */

#define MDC_AI_LOCATION_WAITINGROOM          35000 /* 0x64 */
#define MDC_AI_LOCATION_TRIAGEROOM          35032 /* 0x65 */
#define MDC_AI_LOCATION_DOCTORSOFFICE        35064 /* 0x66 */
#define MDC_AI_LOCATION_PATIENTSPRIVATEROOM  35096 /* 0x67 */
#define MDC_AI_LOCATION_CONSULTATIONROOM     35128 /* 0x68 */
#define MDC_AI_LOCATION_NURSESTATION         35160 /* 0x69 */
#define MDC_AI_LOCATION_WARD                 35192 /* 0x6A */
#define MDC_AI_LOCATION_CORRIDOR             35224 /* 0x6B */
#define MDC_AI_LOCATION_OPERATINGTHEATRE     35256 /* 0x6C */
#define MDC_AI_LOCATION_DENTALSURGERYROOM    35288 /* 0x6D */
#define MDC_AI_LOCATION_MEDICALIMAGINGROOM   35320 /* 0x6E */
#define MDC_AI_LOCATION_DECONTAMINATIONROOM  35352 /* 0x6F */
#define MDC_AI_LOCATION_ICU                  35384 /* */
#define MDC_AI_LOCATION_CCU                  35416 /* */
#define MDC_AI_LOCATION_ER                   35448 /* */
#define MDC_AI_LOCATION_OBSERVATIONWARD      35480 /* */

/* Block: PHD AI Events Partition: 130
Description: PHD AI Events */

#define MDC_AI_EVT_PRESENCE_REGAINED          55000 /* */
#define MDC_AI_EVT_PRESENCE_LOST             55001 /* */
#define MDC_AI_EVT_LOW_BATTERY               55002 /* */
#define MDC_AI_EVT_BATTERY_REPLACED          55003 /* */
#define MDC_AI_EVT_FAULT                     55004 /* */
#define MDC_AI_EVT_FAULT_CLEARED             55005 /* */
#define MDC_AI_EVT_END_OF_LIFE               55006 /* */

```

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#define MDC_AI_EVT_TAMPER_DETECTED	55007	/*	*/
#define MDC_AI_EVT_STUMBLE_DETECTED	55020	/*	*/
#define MDC_AI_EVT_FALL_DETECTED	55021	/*	*/
#define MDC_AI_EVT_FALL_RECOVERY_DETECTED	55022	/*	*/
#define MDC_AI_EVT_PERS_ACTIVATED	55030	/*	*/
#define MDC_AI_EVT_PERS_RESET	55031	/*	*/
#define MDC_AI_EVT_CONDITION_DETECTED	55040	/*	*/
#define MDC_AI_EVT_CONDITION_CLEARED	55041	/*	*/
#define MDC_AI_EVT_MOTION_DETECTED	55050	/*	*/
#define MDC_AI_EVT_MOTION_DETECTED_DELAYED	55051	/*	*/
#define MDC_AI_EVT_MOTION_ENDED	55052	/*	*/
#define MDC_AI_EVT_OCCUPANT_EXIT_PROPERTY	55060	/*	*/
#define MDC_AI_EVT_OCCUPANT_ENTER_PROPERTY	55061	/*	*/
#define MDC_AI_EVT_EXIT_DOOR_OPEN	55062	/*	*/
#define MDC_AI_EVT_EXIT_DOOR_CLOSED	55063	/*	*/
#define MDC_AI_EVT_EXIT_BOUNDARY	55064	/*	*/
#define MDC_AI_EVT_ENTER_BOUNDARY	55065	/*	*/
#define MDC_AI_EVT_ENURESIS_DETECTED	55070	/*	*/
#define MDC_AI_EVT_ENURESIS_CLEARED	55071	/*	*/
#define MDC_AI_EVT_CONTACT_OPENED	55080	/*	*/
#define MDC_AI_EVT_CONTACT_CLOSED	55081	/*	*/
#define MDC_AI_EVT_USAGE_STARTED	55090	/*	*/
#define MDC_AI_EVT_USAGE_ENDED	55091	/*	*/
#define MDC_AI_EVT_USE_START_VIOLATION	55092	/*	*/
#define MDC_AI_EVT_USE_STOP_VIOLATION	55093	/*	*/
#define MDC_AI_EVT_ABSENCE_VIOLATION	55094	/*	*/
#define MDC_AI_EVT_SWITCH_ON	55100	/*	*/
#define MDC_AI_EVT_SWITCH_OFF	55101	/*	*/
#define MDC_AI_EVT_DOSAGE_TAKEN	55110	/*	*/
#define MDC_AI_EVT_DOSAGE_MISSED	55111	/*	*/
#define MDC_AI_EVT_DOSAGE_EMPTY	55112	/*	*/

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#define MDC_AI_EVT_HIGH_TEMP_DETECTED	55120	/*	*/
#define MDC_AI_EVT_LOW_TEMP_DETECTED	55121	/*	*/
#define MDC_AI_EVT_NORMAL_TEMP_DETECTED	55122	/*	*/
#define MDC_AI_EVT_TEMP_CHANGE_TOO_FAST	55123	/*	*/
#define MDC_AI_EVT_HIGH_HUMIDITY_DETECTED	55130	/*	*/
#define MDC_AI_EVT_NORMAL_HUMIDITY_DETECTED	55131	/*	*/
#define MDC_AI_EVT_AT_LOCATION	55140	/*	*/
#define MDC_AI_EVT_NOT_AT_LOCATION	55141	/*	*/

B.16 Return Codes – Partition 255

/* Block: MDC_PART_RET_CODE/CMIP Partition: 255

Description: Error Return Codes for CMIP actions */

#define MDC_RET_CODE_NOOSUCHOBJECTCLASS	0	/*	*/
#define MDC_RET_CODE_NOSUCHOBJECTINSTANCE	1	/*	*/
#define MDC_RET_CODE_ACCESSDENIED	2	/*	*/
#define MDC_RET_CODE_NOSUCHATTRIBUTE	5	/*	*/
#define MDC_RET_CODE_INVALIDATTRIBUTEVALUE	6	/*	*/
#define MDC_RET_CODE_GETLISTERROR	7	/*	*/
#define MDC_RET_CODE_SETLISTERROR	8	/*	*/
#define MDC_RET_CODE_NOSUCHACTION	9	/*	*/
#define MDC_RET_CODE_PROCESSINGFAILURE	10	/*	*/
#define MDC_RET_CODE_DUPLICATEMANAGEDOBJECTINSTANCE	11	/*	*/
#define MDC_RET_CODE_NOSUCHEVENTTYPE	13	/*	*/
#define MDC_RET_CODE_NOSUCHARGUMENT	14	/*	*/
#define MDC_RET_CODE_INVALIDARGUMENTVALUE	15	/*	*/
#define MDC_RET_CODE_INVALIDSCOPE	16	/*	*/
#define MDC_RET_CODE_INVALIDOBJECTINSTANCE	17	/*	*/
#define MDC_RET_CODE_MISSINGATTRIBUTEVALUE	18	/*	*/
#define MDC_RET_CODE_CLASSINSTANCECONFLICT	19	/*	*/
#define MDC_RET_CODE_MISTYPEDOPERATION	21	/*	*/

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```
#define MDC_RET_CODE_NOSUCHINVOKEID          22      /* */

/* Block: MDC_PART_RET_CODE/OBJ Object errors      Partition: 255 */

#define MDC_RET_CODE_OBJ_BUSY                1000    /* Object is busy so cannot
                                                    handle the request */

/* Block: MDC_PART_RETURN_CODES/STORE Storage errors      Partition: 255*/

#define MDC_RET_CODE_STORE_EXH                2000    /* Storage such as
                                                    disk is full */

#define MDC_RET_CODE_STORE_OFFLN             2001    /* Storage such as
                                                    disk is offline */

/* Block: MDC_PART_RETURN_CODES/Unknown      Partition: 255 */

#define MDC_RET_CODE_UNKNOWN                 9999    /* Generic error code */
```

B.17 External nomenclature – Partition 256

```
/* Block: EXTnom      Partition: 256

Description: External Nomenclature */

#define MDC_EXT_NOM_SNOMED          1      /* SNOMED */

#define MDC_EXT_NOM_UMLS            64     /* UMLS */

#define MDC_EXT_NOM_MeSH            128    /* MeSH */

#define MDC_EXT_NOM_LOINC           192    /* LOINC */

#define MDC_EXT_NOM_HL7             256    /* HL7 */

#define MDC_EXT_NOM_READ            320    /* READ */

#define MDC_EXT_NOM_ICD_9           384    /* ICD-9-CM */

#define MDC_EXT_NOM_ICD_10          385    /* ICD-10 */

#define MDC_EXT_NOM_NNN             448    /* NNN-Code */

#define MDC_EXT_NOM_MC              512    /* MC (Minnesota) */

#define MDC_EXT_NOM_SCP             576    /* SCP */

#define MDC_EXT_NOM_NIC             640    /* NIC */
```


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#define MDC_EXT_NOM_NOC	704	/* NOC	*/
#define MDC_EXT_NOM_ICPM	768	/* ICPM	*/
#define MDC_EXT_NOM_ICPM_GE	832	/* ICPM-GE	*/
#define MDC_EXT_NOM_VESKA	896	/* VESKA	*/
#define MDC_EXT_NOM_ASTM_E1394_91	960	/* ASTM E1394-91	*/
#define MDC_EXT_NOM_ASTM_E1238	1024	/* ASTM E1238	*/
#define MDC_EXT_NOM_DSM_IIIR	1088	/* DSM-IIIR	*/
#define MDC_EXT_NOM_DRG	1152	/* DRG	*/
#define MDC_EXT_NOM_NANDA	1216	/* NANDA	*/
#define MDC_EXT_NOM_GALEN	1280	/* GALEN	*/
#define MDC_EXT_NOM_GRAIL	1344	/* GRAIL	*/
#define MDC_EXT_NOM_ASTM_E1467_94	1408	/* ASTM E1467-94	*/
#define MDC_EXT_NOM_CPT	1472	/* CPT	*/
#define MDC_EXT_NOM_OPCS_4	1536	/* OPCS-4	*/
#define MDC_EXT_NOM_ASTM_E1460_92	1600	/* ASTM E1460-92 (Arden)	*/
#define MDC_EXT_NOM_IEEE_11073_10101	11072	/* IEEE 11073-10101	*/
#define MDC_EXT_NOM_IEEE_11073_10102	11136	/* IEEE 11073-10102	*/
#define MDC_EXT_NOM_IEEE_11073_10103	11200	/* IEEE 11073-10103	*/
#define MDC_EXT_NOM_NOS	61439	/* NOS	*/

B.18 Device Settings – Partition 258

/* Block: Devset	Partition: 258
Description: <i>Device Settings</i>	*/
/* These take the same term code as the equivalent type code	*/
#define MDC_TEMP_SKIN_SETTING	19316 /* */
#define MDC_VENT_RESP_RATE_SETTING	20514 /* */
#define MDC_VENT_RESP_RATE_MIN_SETTING	20516 /* */
#define MDC_VENT_RESP_RATE_MEAN_SETTING	20517 /* */
#define MDC_PRESS_AWAY_END_EXP_POS_SETTING	20732 /* */
#define MDC_RATIO_IE_SETTING	20760 /* */

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#define MDC_TIME_PD_APNEA_SETTING	20784	/*	*/
#define MDC_VENT_FLOW_INSP_SETTING	20876	/*	*/
#define MDC_VENT_PRESS_AWAY_SETTING	20900	/*	*/
#define MDC_VENT_PRESS_AWAY_END_EXP_POS_SETTING	20904	/*	*/
#define MDC_VENT_VOL_TIDAL_SETTING	20908	/*	*/
#define MDC_VENT_VOL_MINUTE_AWAY_SETTING	20936	/*	*/
#define MDC_VENT_VOL_MINUTE_AWAY_MAND_SETTING	20940	/*	*/
#define MDC_CONC_AWAY_DESFL_ET_SETTING	21012	/*	*/
#define MDC_CONC_AWAY_ENFL_ET_SETTING	21016	/*	*/
#define MDC_CONC_AWAY_HALOTH_ET_SETTING	21020	/*	*/
#define MDC_CONC_AWAY_SEVOFL_ET_SETTING	21024	/*	*/
#define MDC_CONC_AWAY_ISOFL_ET_SETTING	21028	/*	*/
#define MDC_CONC_GASDLV_DESFL_INSP_SETTING	21128	/*	*/
#define MDC_CONC_GASDLV_ENFL_INSP_SETTING	21132	/*	*/
#define MDC_CONC_GASDLV_HALOTH_INSP_SETTING	21136	/*	*/
#define MDC_CONC_GASDLV_SEVOFL_INSP_SETTING	21140	/*	*/
#define MDC_CONC_GASDLV_ISOFL_INSP_SETTING	21144	/*	*/
#define MDC_VENT_TIME_PD_INSP_SETTING	21344	/*	*/
#define MDC_VENT_TIME_PD_INSP_MAX_SETTING	21345	/*	*/
#define MDC_VENT_PRESS_TRIG_SENS_SETTING	21356	/*	*/
#define MDC_CONC_AWAY_O2_ET_SETTING	21368	/*	*/
#define MDC_VENT_RESP_BACKUP_RATE_SETTING	21410	/*	*/
#define MDC_VENT_TIME_PD_INSP_PERCENT_SETTING	21532	/*	*/
#define MDC_VENT_TIME_PD_INSP_BACKUP_SETTING	21544	/*	*/
#define MDC_VENT_TIME_PD_SUPP_MAX_SETTING	21549	/*	*/
#define MDC_VENT_TIME_PD_INSP_PAUSE_SETTING	21552	/*	*/
#define MDC_VENT_TIME_PD_INSP_PAUSE_PERCENT_SETTING	21556	/*	*/
#define MDC_VENT_TIME_PD_INSP_HOLD_SETTING	21560	/*	*/
#define MDC_VENT_TIME_PD_EXP_HOLD_SETTING	21564	/*	*/
#define MDC_VENT_TIME_PD_INSP_THIGH_SETTING	21572	/*	*/
#define MDC_VENT_TIME_PD_EXP_TLOW_SETTING	21576	/*	*/

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#define MDC_VENT_FLOW_BIAS_SETTING	21580	/*	*/
#define MDC_VENT_FLOW_CONTINUOUS_SETTING	21584	/*	*/
#define MDC_VENT_PRESS_AWAY_BASELINE_SETTING	21644	/*	*/
#define MDC_VENT_PRESS_AWAY_DELTA_SETTING	21648	/*	*/
#define MDC_VENT_PRESS_AWAY_BACKUP_SETTING	21652	/*	*/
#define MDC_VENT_PRESS_AWAY_DELTA_BACKUP_SETTING	21656	/*	*/
#define MDC_VENT_PRESS_AWAY_SUPP_SETTING	21660	/*	*/
#define MDC_VENT_PRESS_AWAY_DELTA_SUPP_SETTING	21664	/*	*/
#define MDC_VENT_PRESS_AWAY_INSP_PHIGH_SETTING	21668	/*	*/
#define MDC_VENT_PRESS_AWAY_EXP_FLOW_SETTING	21672	/*	*/
#define MDC_VENT_PRESS_AWAY_LIMIT_SETTING	21676	/*	*/
#define MDC_VENT_PRESS_AWAY_LIMIT_PMAX_SETTING	21680	/*	*/
#define MDC_VENT_PRESS_AWAY_LIMIT_RELIEF_SETTING	21684	/*	*/
#define MDC_VENT_PRESS_AWAY_LIMIT_PMIN_SETTING	21688	/*	*/
#define MDC_VENT_PRESS_AWAY_DELTA_LIMIT_PMIN_SETTING	21692	/*	*/
#define MDC_VENT_PRESS_AWAY_RISETIME_CTLD_SETTING	21696	/*	*/
#define MDC_VENT_PRESS_AWAY_RISETIME_SUPP_SETTING	21700	/*	*/
#define MDC_VENT_FLOW_TRIG_SENS_SETTING	21732	/*	*/
#define MDC_VENT_FLOW_THRESH_END_INSP_SETTING	21736	/*	*/
#define MDC_FLOW_AIR_FG_SETTING	21804	/*	*/
#define MDC_FLOW_N2O_FG_SETTING	22020	/*	*/
#define MDC_CONC_GASDIV_O2_INSP_SETTING	22072	/*	*/
#define MDC_FLOW_O2_FG_SETTING	22084	/*	*/
#define MDC_VENT_VOL_TIDAL_BACKUP_SETTING	22144	/*	*/
#define MDC_VENT_VOL_TIDAL_INSP_SETTING	22148	/*	*/
#define MDC_VENT_VOL_TIDAL_INSP_MIN_SETTING	22150	/*	*/
#define MDC_VOL_MINUTE_AWAY_IBW_PCTOF_REF_SETTING	22160	/*	*/
#define MDC_VENT_PRESS_AWAY_RISETIME_CTLD_PERCENT_SETTING	22188	/*	*/
#define MDC_VENT_PRESS_AWAY_RISETIME_SUPP_PERCENT_SETTING	22196	/*	*/
#define MDC_VENT_FLOW_THRESH_END_INSP_PERCENT_SETTING	22200	/*	*/
#define MDC_NEB_TIME_PD_PER_CYCLE_SETTING	22272	/*	*/

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#define MDC_NEB_VOL_FLUID_PER_CYCLE_SETTING	22276	/*	*/
#define MDC_NEB_CYCLES_SETTING	22280	/*	*/
#define MDC_NEB_TIME_PD_PAUSE_SETTING	22284	/*	*/
#define MDC_VOL_AWAY_TIDAL_PER_IBW_SETTING	22316	/*	*/
#define MDC_RATIO_EI_SETTING	22408	/*	*/
#define MDC_VENT_TIME_PD_P100MS_SETTING	22440	/*	*/
#define MDC_VENT_PRESS_AWAY_RISETIME_BTSD_SAZC_SETTING	22468	/*	*/
#define MDC_VENT_FLOW_AWAY_RISETIME_CTLD_SETTING	22472	/*	*/
#define MDC_VENT_FLOW_AWAY_RISETIME_CTLD_PERCENT_SETTING	22476	/*	*/
#define MDC_VENT_VOL_TIDAL_DELIV_SETTING	22480	/*	*/
#define MDC_CONC_O2_MICROENV_SETTING	53216	/*	*/
#define MDC_REL_HUMIDITY_MICROENV_SETTING	53220	/*	*/
#define MDC_TEMP_MICROENV_SETTING	53224	/*	*/
#define MDC_GASDLV_AGENT_SETTING	53332	/*	*/
#define MDC_GASDLV_BALANCE_GAS_SETTING	53333	/*	*/
#define MDC_NEB_DEV_MODE_SETTING	53338	/*	*/

B.19 Device Predicted Values – Partition 514

/* Block: SPIROMETRY	Partition: 514
Description Predicted Spirometry parameters	*/
#define MDC_FLOW_AWAY_EXP_FORCED_PEAK_PRED	21512 /* */
#define MDC_VOL_AWAY_EXP_FORCED_1S_PRED	21514 /* */
#define MDC_VOL_AWAY_EXP_FORCED_6S_PRED	21515 /* */
#define MDC_VOL_AWAY_EXP_FORCED_CAPACITY_PRED	57856 /* */
#define MDC_VOL_AWAY_SLOW_CAPACITY_PRED	57860 /* */
#define MDC_RATIO_AWAY_EXP_FORCED_FEV1_FEV6_PRED	57864 /* */
#define MDC_VOL_AWAY_EXP_FORCED_0_5S_PRED	57868 /* */
#define MDC_VOL_AWAY_EXP_FORCED_0_75S_PRED	57872 /* */
#define MDC_RATIO_AWAY_EXP_FORCED_1S_FVC_PRED	57876 /* */
#define MDC_RATIO_AWAY_EXP_FORCED_0_5S_FVC_PRED	57880 /* */

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#define MDC_RATIO_AWAY_EXP_FORCED_0_75S_FVC_PRED	57884	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_25_75_FVC_PRED	57888	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_25_FVC_PRED	57892	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_50_FVC_PRED	57896	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_75_FVC_PRED	57900	/*	*/
#define MDC_FLOW_AWAY_INSP_FORCED_PEAK_PRED	57904	/*	*/
#define MDC_VOL_AWAY_INSP_FORCED_CAPACITY_PRED	57908	/*	*/
#define MDC_VOL_AWAY_INSP_FORCED_1S_PRED	57912	/*	*/
#define MDC_FLOW_AWAY_INSP_FORCED_25_PRED	57916	/*	*/
#define MDC_FLOW_AWAY_INSP_FORCED_50_PRED	57920	/*	*/
#define MDC_FLOW_AWAY_INSP_FORCED_75_PRED	57924	/*	*/
#define MDC_VOL_AWAY_INSP_CAPACITY_PRED	57928	/*	*/
#define MDC_VOL_AWAY_EXP_RESERVE_PRED	57932	/*	*/
#define MDC_VOL_AWAY_INSP_RESERVE_PRED	57936	/*	*/
#define MDC_VOL_AWAY_INSP_SLOW_CAPACITY_PRED	57940	/*	*/
#define MDC_VOL_AWAY_EXP_FORCED_TIME_PRED	57944	/*	*/
#define MDC_VOL_AWAY_EXTRAP_PRED	57948	/*	*/
#define MDC_VOL_AWAY_EXP_SLOW_CAPACITY_PRED	57964	/*	*/
#define MDC_VOL_AWAY_EXP_FORCED_2S_PRED	57968	/*	*/
#define MDC_VOL_AWAY_EXP_FORCED_3S_PRED	57972	/*	*/
#define MDC_VOL_AWAY_EXP_FORCED_5S_PRED	57976	/*	*/
#define MDC_RATIO_AWAY_EXP_FORCED_2S_FVC_PRED	57980	/*	*/
#define MDC_RATIO_AWAY_EXP_FORCED_3S_FVC_PRED	57984	/*	*/
#define MDC_RATIO_AWAY_EXP_FORCED_5S_FVC_PRED	57988	/*	*/
#define MDC_RATIO_AWAY_EXP_FORCED_6S_FVC_PRED	57992	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_MAX_PRED	57996	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_25_50_PRED	58000	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_75_85_PRED	58004	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_0_2L_1_2L_PRED	58008	/*	*/
#define MDC_FLOW_AWAY_EXP_FORCED_85_PRED	58012	/*	*/
#define MDC_VOL_AWAY_EXP_TIDAL_TIME_PRED	58016	/*	*/

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#define MDC_VOL_AWAY_INSP_TIDAL_TIME_PRED	58020	/*	*/
#define MDC_RATIO_AWAY_TIN_TEX_PRED	58024	/*	*/
#define MDC_FLOW_AWAY_INSP_FORCED_25_50_PRED	58028	/*	*/
#define MDC_FLOW_AWAY_INSP_FORCED_25_75_PRED	58032	/*	*/
#define MDC_RATIO_AWAY_INSP_FORCED_1S_FIVC_PRED	58036	/*	*/
#define MDC_VOL_AWAY_CAPACITY_VOLUNTARY_MAX_12S_PRED	58040	/*	*/
#define MDC_VOL_AWAY_CAPACITY_VOLUNTARY_MAX_15S_PRED	58044	/*	*/
#define MDC_VOL_AWAY_EXP_25_75_TIME_PRED	58048	/*	*/
#define MDC_FLOW_AWAY_EXP_PEAK_TIME_PRED	58052	/*	*/
#define MDC_FLOW_AWAY_EXP_TIDAL_MEAN_PRED	58056	/*	*/

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Annex C

(normative)

Terms, discriminators, and numeric codes

C.1 Overview

This annex provides an alphabetical list of RefIds, discriminators, and numeric codes for terms defined in this standard. This information can be used to create a list of valid combinations of the RefId, discriminator(s), and the numeric codes.

C.2 Discriminators

The discriminator sets that apply to terms defined in this standard are listed in this annex. Each discriminator set is identified by the capitalized acronym enclosed in square braces and includes the following information:

- **dOffset**, the discriminator value (offset) added to base term
- **dSuffix**, the suffix appended to the RefId
- **dInfix**, the infix replaced in the RefId
- **dDescription**, a short description

Discriminators are generally appended to their base RefIds as a suffix, except for [UoM], which is an infix that replaces ‘_X_’ in the base RefId (see C.3.7). In specific cases a comma serves as a sequence delineator starting from the tail end and denotes how many RefId atoms to skip over to insert the discriminator as an infix, e.g., for MDC_BLD_PULS_RATE_NON_INV [RCE(2),] the infix RATE has been inserted before the two RefId atoms ‘_NON_INV’.

C.3 Discriminator sets

C.3.1 Device Type [MVC] discriminator set

Table C.3.1.1—Device Type [MVC] discriminator set

[MVC] Device Type Discriminators {2 bits}		
dOffset	dSuffix	dDescription
0		{generic device} or not specified
1	_MDS	Medical Device System
2	_VMD	Virtual Medical Device
3	_CHAN	Channel

C.3.2 Statistical [MMM] discriminator set

Table C.3.2.1—Statistical [MMM] discriminator set

[MMM] Statistical Discriminators {2 bits}		
dOffset	dSuffix	dDescription
0		{base measurement} or not specified
1	_MAX	maximum value observed over an interval
2	_MIN	minimum value observed over an interval
3	_MEAN	mean value observed over an interval

C.3.3 Haemodynamic pressure measurements [SDM] discriminator set

Table C.3.3.1—Haemodynamic pressure measurements [SDM] discriminator set

[SDM] Haemodynamic pressure measurements {2 bits}		
dOffset	dSuffix	dDescription
0		{base measurement} or not specified
1	_SYS	systolic
2	_DIA	diastolic
3	_MEAN	mean

C.3.4 Rates for countable events [RCE] discriminator set**Table C.3.4.1—Rates for countable events [RCE] discriminator set**

[RCE] Rates for countable events {3 bits}		
dOffset	dSuffix	dDescription
0		{base pattern} or not specified
1	_CNT	number of occurrences of the base
2	_RATE	rate of counted events
3	_RATE_MAX	maximum rate of counted events
4	_RATE_MIN	minimum rate of counted events
5	_RATE_MEAN	mean rate of counted events
6	_TIME	time of event (non-specific)
7	_ANNOT	annotation

C.3.5 Rates for countable neurological events [RCN] discriminator set**Table C.3.5.1—Rates for countable neurological events [RCN] discriminator set**

[RCN] Rates for countable neuro events {3 bits}		
dOffset	dSuffix	dDescription
0		{base pattern} or not specified
1	_CNT	number of occurrences of the base
2	_RATE	rate of counted events
3	_RATE_MAX	maximum rate of counted events
4	_RATE_MIN	minimum rate of counted events
5	_RATE_MEAN	mean rate of counted events
6	_TIME	time of event (non-specific)
7	_ANNOT	annotation

C.3.6 Body Site Orientation (laterally) [LAT] discriminator set**Table C.3.6.1—Body Site Orientation (laterally) [LAT] discriminator set**

[LAT] Body Site Orientation (laterality) {2 bits}		
dOffset	dSuffix	dDescription
0		orientation (laterality) - nominal or unspecified
1	_L	orientation (laterality) - left side
2	_R	orientation (laterality) - right side

C.3.7 Unit of Measure [UoM] discriminator set

The Unit of Measure [UoM] discriminator replaces the _X_ in the respective base term RefId as an infix. The '_X_' infix denotes the unity scale factor for a decades-scalable [UoM] unit-of-measure. The '_X_' may be omitted or included in the RefId if conveyed as a text string in a message according to guidelines of the protocol, e.g., as in OBX-6 of an HL7 V2 message.

Table C.3.7.1—Units of Measure [UoM] discriminator set

[UoM] Units of Measure {5 bits}		
dOffset	dInfix	dDescription
0	<u>_X_</u>	10 ⁰
1	<u>_DECA_</u>	10 ¹
2	<u>_HECTO_</u>	10 ²
3	<u>_KILO_</u>	10 ³
4	<u>_MEGA_</u>	10 ⁶
5	<u>_GIGA_</u>	10 ⁹
6	<u>_TERA_</u>	10 ¹²
7	<u>_PETA_</u>	10 ¹⁵
8	<u>_EXA_</u>	10 ¹⁸
9	<u>_ZETTA_</u>	10 ²¹
10	<u>_YOTTA_</u>	10 ²⁴
16	<u>_DECI_</u>	10 ⁻¹
17	<u>_CENTI_</u>	10 ⁻²
18	<u>_MILLI_</u>	10 ⁻³
19	<u>_MICRO_</u>	10 ⁻⁶
20	<u>_NANO_</u>	10 ⁻⁹
21	<u>_PICO_</u>	10 ⁻¹²
22	<u>_FEMTO_</u>	10 ⁻¹⁵
23	<u>_ATTO_</u>	10 ⁻¹⁸
24	<u>_ZEPTO_</u>	10 ⁻²¹
25	<u>_YOCTO_</u>	10 ⁻²⁴

C.3.8 Unit of Measure (singular) [UoM1] discriminator**Table C.3.8.1—Unit of Measure (singular) [UoM1] discriminator set**

[UoM1] Unit of Measure (singular) {5 bits}		
dOffset	dSuffix	dDescription
0		10 ⁰

C.3.9 No [1] Discriminator**Table C.3.9.1—No Discriminator [1] discriminator set**

[1] No discriminator {0 bits}		
dOffset	dSuffix	dDescription
0		

C.3.10 Event [2] discriminator set**Table C.3.10.1—Event Discriminator [EVT] discriminator set**

[EVT] No discriminator {1 bit}		
dOffset	dSuffix	dDescription
0		Refers to metric
1		Refers to object

C.3.11 Statistical profile [PN3] discriminator set**Table C.3.11.1—Statistical profile [PN3] discriminator set**

[PN3] Statistical profile discriminator {4 bits}		
dOffset	dSuffix	dDescription
0		{base measurement} or not specified
1	_MAX	maximum value observed over an interval
2	_MIN	minimum value observed over an interval
3	_MEAN	mean value observed over an interval
4	_P5	5th percentile value observed over an interval
5	_P10	10th percentile value observed over an interval
6	_P25	25th percentile value observed over an interval
7	_P50	50th percentile value observed over an interval
8	_P75	75th percentile value observed over an interval
9	_P90	90th percentile value observed over an interval
10	_P95	95th percentile value observed over an interval
11	_P2575	25th-75th percentile value observed over an interval