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**Health informatics — Point-of-care  
medical device communication —**

Part 10103:

**Nomenclature — Implantable device,  
cardiac**

*Informatique de santé — Communication entre dispositifs médicaux sur  
le site des soins*

*Partie 10103: Nomenclature — Dispositif implantable, cardiaque*

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- *Part 00103: Overview*
- *Part 10101: (Point-of-care medical device communication) Nomenclature*
- *Part 10102: (Point-of-care medical device communication) Nomenclature — Annotated ECG*
- *Part 10103: (Point-of-care medical device communication) — Nomenclature — Implantable device, cardiac*
- *Part 10201: (Point-of-care medical device communication) Domain information model*
- *Part 10404: Device specialization — Pulse oximeter*

- Part 10406: Device specialization — Basic electrocardiograph (ECG) (1- to 3-lead ECG)
- Part 10407: Device specialization — Blood pressure monitor
- Part 10408: Device specialization — Thermometer
- Part 10415: Device specialization — Weighing scale
- Part 10417: Device specialization — Glucose meter
- Part 10418: Device specialization — International Normalized Ratio (INR) monitor
- Part 10420: Device specialization — Body composition analyzer
- Part 10421: Device specialization — Peak expiratory flow monitor (peak flow)
- Part 10441: Device specialization — Cardiovascular fitness and activity monitor
- Part 10471: Device specialization — Independent living activity hub
- Part 10472: Device specialization — Medication monitor
- Part 20101: (Point-of-care medical device communication) Application profiles — Base standard
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- Part 30200: (Point-of-care medical device communication) Transport profile — Cable connected
- Part 30300: (Point-of-care medical device communication) Transport profile — Infrared wireless
- Part 30400: (Point-of-care medical device communication) Interface profile — Cabled Ethernet
- Part 90101: (Point-of-care medical device communication) Analytical instruments — Point-of-care test
- Part 91064: (Standard communication protocol) Computer-assisted electrocardiography
- Part 92001: (Medical waveform format) — Encoding rules

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Health informatics—Point-of-care medical device communication

# Part 10103: Nomenclature—Implantable device, cardiac

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**Part 10103: Nomenclature—Implantable device,  
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**Abstract:** The base nomenclature provided in IEEE 11073 to support terminology for implantable cardiac devices is extended in this standard. Devices within the scope of this nomenclature are implantable devices such as pacemakers, defibrillators, devices for cardiac resynchronization therapy, and implantable cardiac monitors. The discrete terms necessary to convey a clinically relevant summary of the information obtained during a device interrogation are defined in this nomenclature. To improve workflow efficiencies, cardiology and electrophysiology practices require the management of summary interrogation information from all vendor devices and systems in a central system such as an Electronic Health Records (EHR) system or a device clinic management system. To address this requirement, the Implantable Device, Cardiac (IDC) Nomenclature defines a standard-based terminology for device data. The nomenclature facilitates the transfer of data from the vendor proprietary systems to the clinic EHR or device clinic management system.

**Keywords:** cardiac resynchronization therapy (CRT), codes, follow-up, home monitoring, IEEE 11073-10103, implantable cardioverter defibrillator (ICD), implantable devices, medical device communication, nomenclature, pacemaker, remote follow-up, remote monitoring, terminology

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## Introduction

This introduction is not part of IEEE Std 11073-10103-2012, Health informatics—Point-of-care medical device communication—Part 10103: Nomenclature—Implantable device, cardiac.

This standard enables and standardizes the reporting of discrete data elements associated with implantable cardiac device interrogations (observations) to enterprise-based applications (e.g., clinical information systems). Currently, no such standardization exists, typically resulting in the reports being managed as paper documents and not electronically.

Given the lack of standardization in this domain, information retrieved from implantable cardiac devices is transmitted and stored in centralized health records using vendor proprietary methods, or in many cases, it is managed as paper documents. By standardizing the terminology used to describe the settings and measurements of these devices, both the ordering and follow-up reporting can be integrated more easily with health care applications, such as electronic health records, order entry systems, and electronic patient records. This integration will result in greater access to critical patient information and automated verification that clinical orders have been completed in a timely fashion, ultimately resulting in increased quality of care and patient safety.

Subject domain experts provided the requirements for the nomenclature. Subject domain experts are represented by members of the Heart Rhythm Society (HRS), which is the international leader in science, education, and advocacy for cardiac arrhythmia professionals and patients, and the primary information resource on heart rhythm disorders.

This standard is a distinct and standalone partition within the IEEE 11073-10101 nomenclature. It is meant to be a self-contained and comprehensive nomenclature for information pertaining to implantable cardiac devices.

NOTE—The XML Schema, XSLT transforms and XML data files contained in Annex H are available at the following URL: <http://standards.ieee.org/downloads/11073/11073-10103-2012/>.

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## Health informatics—Point-of-care medical device communication

# Part 10103: Nomenclature—Implantable device, cardiac

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## 1. Overview

### 1.1 Scope

This standard extends the base nomenclature provided in ISO/IEEE 11073-10101:2004<sup>1</sup> to support terminology for implantable cardiac devices. Devices within the scope of this nomenclature are implantable devices such as pacemakers, defibrillators, devices for cardiac resynchronization therapy, and implantable cardiac monitors. This nomenclature defines the discrete terms necessary to convey a clinically relevant summary of the information obtained during a device interrogation. The nomenclature extensions may be used in conjunction with other IEEE 11073 standard components (e.g., ISO/IEEE 11073-10201 [B2]<sup>2</sup>) or with other standards, such as Health Level Seven International (HL7).

<sup>1</sup> Information on references can be found in Clause 2.

<sup>2</sup> The numbers in brackets correspond to those of the bibliography in Annex I.

## 1.2 Purpose

This standard addresses the need for an openly defined, independent standard for representing information collected from industry-wide implantable cardiac devices. A broader intent is to enable a standards-based exchange of implantable cardiac device information between vendor's proprietary interrogation systems and clinic electronic medical record systems.

## 1.3 Audience

The audience for this document is those who work with implantable cardiac device information in the context of systems integration. This may include but is not limited to the following roles:

- Cardiologist or electrophysiologist physicians
- Heart failure physicians
- Heart and device clinic specialists or staff
- Primary care physicians
- Clinic information technologists
- Clinic information system vendor engineers
- Implantable cardiac device vendor engineers
- Regulatory and quality management agencies

## 1.4 Context

This nomenclature has been developed within the context of the broader 11073 Health informatics—Point of care medical device communication standards. Its goal is to be consistent with existing 11073 standards and information models.

## 2. Normative references

The following referenced documents are indispensable for the application of this document (i.e., they must be understood and used, so that each referenced document is cited in text and its relationship to this document is explained). For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments or corrigenda) applies.

ISO/IEEE 11073-10101:2004, Health informatics—Point-of-care medical device communication—Part 10101: Nomenclature.<sup>3</sup>

The Unified Code for Units of Measure (UCUM), version 1.8.<sup>4</sup>

<sup>3</sup> ISO/IEC publications are available from the ISO Central Secretariat (<http://www.iso.org/>). ISO publications are also available in the United States from the American National Standards Institute (<http://www.ansi.org/>).

<sup>4</sup> UCUM is available at <http://aurora.regenstrief.org/~ucum/ucum.html>. An overview and useful supporting information are available at <http://unitsofmeasure.org/>.

### 3. Definitions, acronyms, and abbreviations

#### 3.1 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.<sup>5</sup>

**arrhythmia:** Any abnormality of cardiac rhythm. Examples are bradycardia, dysrhythmia, and tachycardia.

**cardiac monitors:** A device that shows the electrical waveforms of the cardiovascular system for measurement and treatment.

**cardiac resynchronization therapy:** A treatment that can relieve congestive heart failure symptoms by improving the coordination of the heart's contractions

**cardiologist:** Physician specializing in disorders of the heart.

**centralized health record:** *See:* **electronic health records (EHR).**

**clinic information system vendor engineers:** Personnel employed by the clinic to create, enhance, and maintain the computerized information systems that reside in a clinic.

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

**constraint:** A restriction on the set of values being assigned.

**containment node:** An intermediate node within the containment hierarchy (tree graph) of the nomenclature.

**defibrillator:** *See:* **implantable cardioverter defibrillator (ICD).**

**device clinic:** A specialized physician clinic that provides follow-up service to patients with an implanted pacemaker or cardioverter defibrillator (ICD).

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

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

**electronic health records (EHR):** A longitudinal collection of electronic health information about individual patients or populations. It is a record in digital format that is capable of being shared within across different health care settings by being embedded in network-connected enterprise-wide information system.

**electrophysiologist:** A physician with advanced study of the electrical properties of the heart.

**implantable cardiac device:** A small, battery-powered electrical impulse generator that is implanted in patients to maintain heart rate or deliver a high-powered shock to correct cardiac arrhythmia. *See also:* **defibrillator; pacemaker.**

<sup>5</sup>The *IEEE Standards Dictionary Online* subscription is available at [http://www.ieee.org/portal/innovate/products/standard/standards\\_dictionary.html](http://www.ieee.org/portal/innovate/products/standard/standards_dictionary.html).

**implantable cardiac device vendor engineers:** Personnel employed by the implantable cardiac device vendors who create, enhance, and maintain the computerized information systems that support their devices.

**implantable cardioverter defibrillator (ICD):** A small, battery-powered electrical impulse generator that is implanted in patients who are at risk of sudden cardiac death. The device is programmed to detect cardiac arrhythmia and correct it by delivering a shock of electric current.

**interrogation:** The process of communicating with and retrieving data from an implantable medical device.

**nomenclature:** A set of names or terms comprising a taxonomy for a specific domain.

**pacemaker:** A small, battery-powered electrical impulse generator which is implanted in patients to support or maintain heart rate.

**programming:** The noninvasive adjustment of programmable parameters in a implantable cardiac device.

**reference ID:** A unique, symbolic, and programmatic form for 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\_IDC\_” for consistency.

**rhythm disturbance:** An irregular heartbeat.

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

**terminology:** A synonym for nomenclature.

**vendor enumerations:** Vendor-specific enumerated values for a term.

**vendor proprietary equipment:** Device vendor equipment or systems used for management and analysis of devices.

### 3.2 Acronyms and abbreviations

AT	atrial tachycardia
ATP	antitachycardia pacing
CRT	cardiac resynchronization therapy
DIM	domain information model
HL7	Health Level Seven
ICD	implantable cardioverter defibrillator
ICS	implementation conformance statement
ID	identifier
IDC	implantable device, cardiac
LA	left atrium
LV	left ventricle
MDC	medical device communication
NBG	NASPE/BPEG generic
RA	right atrium
RV	right ventricle
UCUM	unified code of units of measure
VF	ventricular fibrillation
VT	ventricular tachycardia

## 4. Introduction to IEEE 11073 implantable devices cardiac domain

Millions of people experience irregular heartbeats at some point in their lives. Most of these irregularities, called arrhythmias, are harmless and can occur in people free from heart disease. Sometimes, however, rhythm disturbances can be serious or even fatal.

Often, cardiac rhythm disease or arrhythmias are caused by problems with the electrical system that regulates the steady, rhythmic beat of the heart. The heartbeat may be too slow or too fast; it may remain steady, become chaotic, or lack efficiency. Some arrhythmias are dangerous and cause sudden cardiac death, while others may be bothersome but are not life threatening.

Implantable cardiac devices monitor the heart's rhythm continuously and may apply therapy based on conditions detected. These devices are designed to deliver controlled electrical stimulus to the heart to maintain normal rhythm, improve the efficiency, or stop serious arrhythmias. The devices can have their settings programmed to optimize how therapy will be applied and have capabilities to store data for later retrieval and analysis. These devices are categorized as pacemakers, implantable cardioverter defibrillators (ICD), or devices for cardiac resynchronization therapy (CRT).

There are typically two major components of the implantable cardiac device system: the pulse generator and the leads. The pulse generator contains the power source and electronic circuitry. The pulse generator senses physiological conditions, applies algorithms to determine therapy, stores data, and produces the electric output stimuli. Some devices are monitor-only devices and do not deliver therapy. The second component, a lead, is an insulated wire used to conduct pulse generator outputs to the heart tissue and to transmit electrical potentials from the heart or other sensing components to sensing circuits of the pulse generator.

Figure 1 provides an overview graphic of the implanted pulse generator and leads.

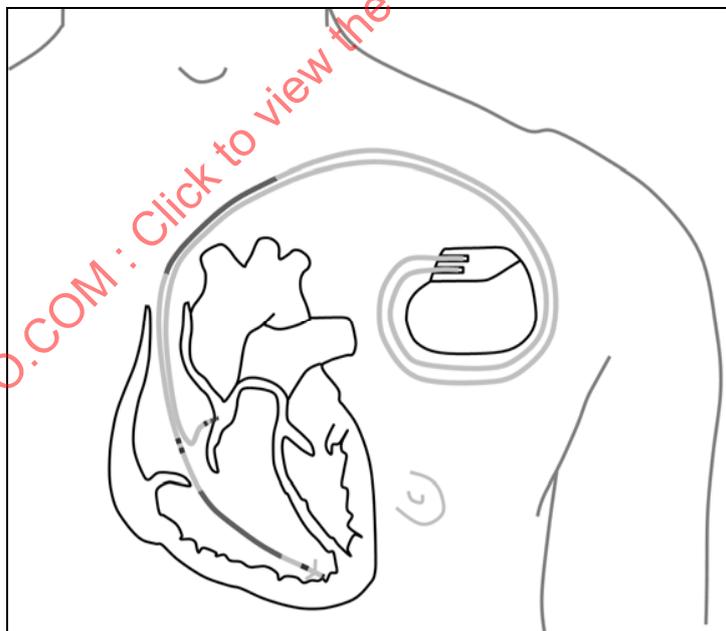
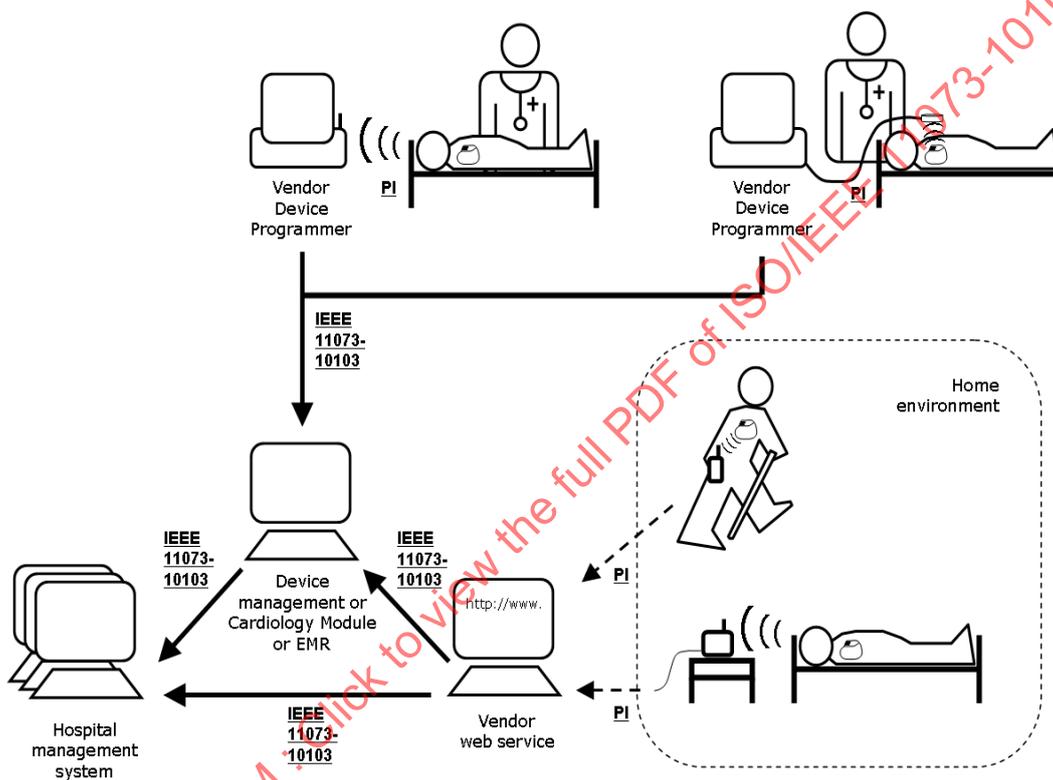


Figure 1—Pulse generator/leads

Cardiologists and electrophysiologists are trained physicians who diagnose arrhythmias and implant appropriate cardiac device for diagnosis and treatment. Typically, cardiologists and electrophysiologists follow patients with implantable cardiac devices manufactured by multiple vendors.

Information from the implantable cardiac device is retrieved using vendor proprietary equipment and systems. This procedure of retrieving implanted device data is called “interrogation.” Interrogations are performed either in-clinic or remotely and are stored in the vendor interrogation systems. Clinics need to integrate data from multiple vendor interrogation systems into a centralized health record to improve workflow efficiencies. Mapping information from multiple proprietary vendor data formats into the central health is complicated and expensive.

A common set of terms is provided in IEEE Std 11073-10103 that can be used to exchange information between vendor and clinic systems. Centralized health record systems benefit from standardized interfaces. The IEEE 11073-10103 Implantable Device, Cardiac (IDC) Nomenclature defines the standard terminology for these interfaces. Figure 2 shows a representation of where the IEEE 11073-10103 IDC nomenclature could be used.



IEEE 11073-10103 – Interface based on IEEE 11073-10103 nomenclature  
 PI – Proprietary interface

Figure 2—IEEE 11073-10103 usage diagram

## 5. Nomenclature requirements

### 5.1 Overview

Nomenclature in this standard defines normative text identifiers and numeric code identifiers for labeling implantable cardiac device data. It also specifies normative constraints for usage in regards to semantic meaning, data type, unit of measure, and enumerated values.

Requirements are defined by subject domain experts. Subject domain experts are represented by members of the Heart Rhythm Society, which is the international leader in science, education and advocacy for cardiac arrhythmia professionals and patients, and is the primary information resource on heart rhythm disorders.

The requirements for the nomenclature fall into multiple categories, as follows:

- The scope of the nomenclature
- The organizational structure of the nomenclature
- The semantics of the nomenclature

### 5.2 Scope requirements

The following requirements regarding the scope and content of the standard were used:

- Level of detail shall be summary information as specified and understood by subject domain experts
- Shall only define terms that are common across domain
- Shall allow for specific vendor enumerations of terms when needed

### 5.3 Organizational structure requirements

The following requirements regarding the scope and content of the standard were used:

- Term identifiers shall be organized in a consistent hierarchical classification scheme
- Shall be organized to avoid post coordination of terms

### 5.4 Semantic requirements

The following requirements regarding the semantic definitions were used:

- Domain experts will discuss and define term semantic requirements.

## 6. Nomenclature structure

### 6.1 Overview

Nomenclature in this standard is structured based on a hierarchical taxonomy or containment hierarchy. A tree graph has been used to represent the containment hierarchy or the semantic organization of the terminology (Figure 3). The base root node is MDC\_IDC, which is short for Medical Device Communication—Implantable Device Cardiac. The IDC nomenclature is a code space within a partition of the ISO/IEEE 11073-10101 nomenclature

Nodes within the tree graph were determined through interaction with clinical domain experts. Clinical concepts for the domain were identified through definition and analysis of a typical device follow-up summary report. Concepts were categorized and arranged in a hierarchical structure of nodes.

Discriminators are used to provide additional semantic refinement that can be applied to multiple terms. Discriminators are used to manage complexity within the containment hierarchy and can be applied at any node within the containment hierarchy. They are represented in the nomenclature models and lists using square brackets and a text token, e.g., [Token]. The token of the discriminator is expanded using a defined set of text values that are semantically significant to the resulting term identifier. Discriminator token sets for the containment hierarchy are defined in tables below and are referenced by token name. For example, the node LEADCHNL has the discriminator [CHAMBER] postfixed. The token CHAMBER will be expanded using the set of heart chambers (right atrium [RA], right ventricle [RV], left atrium [LA], and left ventricle [LV]) resulting in LEADCHNL\_RA, LEADCHNL\_RV, LEADCHNL\_LA, and LEADCHNL\_LV.

A term is uniquely identified by a Reference ID, Systematic Name and Code according to the scheme described in ISO/IEEE 11073-10101:2004. A term's Reference ID consists of following a sequential path through the containment hierarchy from the root node to a leaf node. Each node on this path becomes a component of the term's Reference ID and Systematic Name, and appropriately it represents the semantic of the term. After expanding all discriminators, a unique Code is then assigned to each term from a 16-bit partition or code block of the -10101 code space that has been allocated for the exclusive use of the IDC nomenclature.

The tree graph of the containment hierarchy is shown in Figure 3.

In Figure 4 (Table 1) through Figure 7 (Table 4), portions of the tree graph are shown for containment nodes to facilitate readability. Each node of the graph contains a clinical concept and a text identifier. Only the root node and other containment nodes are shown as these are the organizing concepts of the nomenclature. Instances of leaf nodes or terms are listed in Annex A and Annex C.

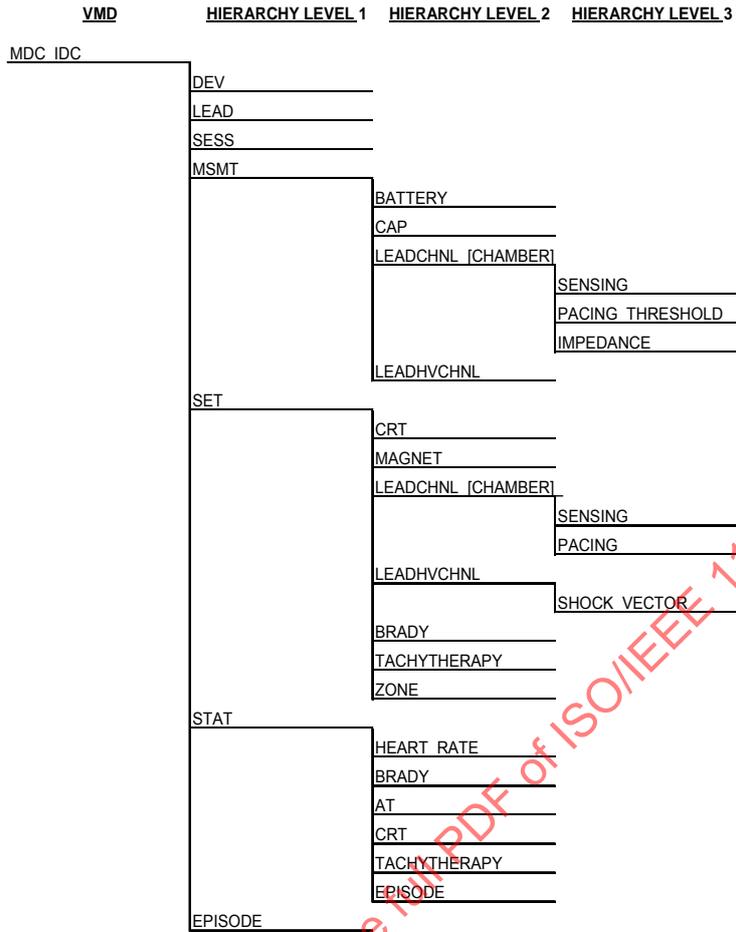


Figure 3—11073-10103 containment hierarchy

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6.2 Highest level containment nodes

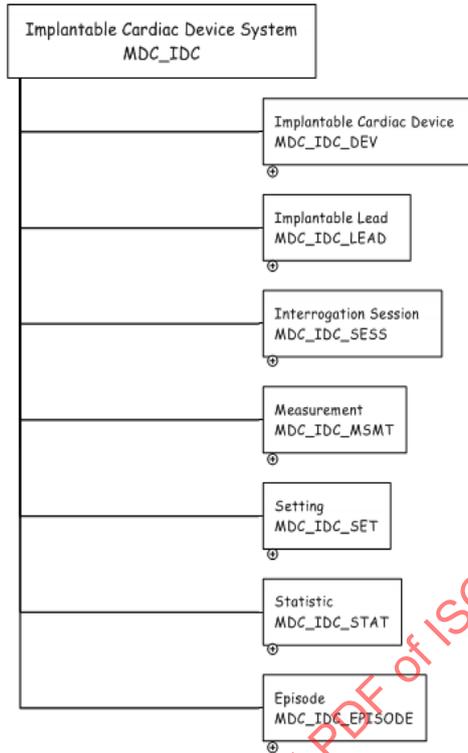


Figure 4—Highest level containment nodes

Table 1—High-level node descriptions

Name	Containment node/Reference ID component MDC_IDC_	Description
Implantable Cardiac Device	DEV	Attributes specific to the physical implantable cardiac device.
Implantable Lead	LEAD	Attributes specific to the physical leads of the device system.
Interrogation Session	SESS	Interrogation session where observations were made.
Measurement	MSMT	Measurements concerning the device or patient.
Setting	SET	Device settings that determine device behavior.
Statistic	STAT	Aggregate statistics concerning the device or patient conditions.
Episode	EPISODE	Device sensed episodes.

### 6.2.1 Measurement nodes

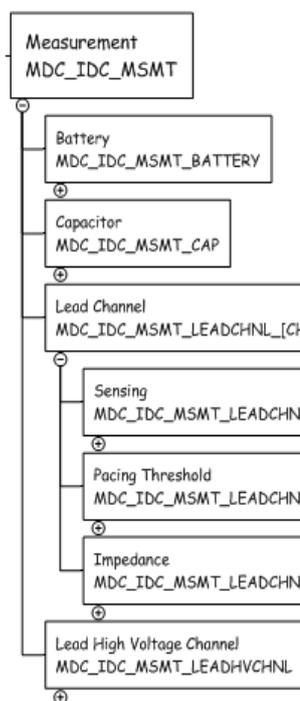


Figure 5—Measurement nodes

Table 2—Measurement nodes descriptions

Name	Containment node/Reference ID component MDC_IDC_MSMT_	Description
Battery	BATTERY	Device battery measurements.
Capacitor	CAP	Device capacitor measurements.
Lead channel	LEADCHNL_[CHAMBER]	Device's lead electrical channel measurements.
Sensing	LEADCHNL_[CHAMBER]_SENSING	Sensing measurements of a particular lead electrical channel.
Pacing threshold	LEADCHNL_[CHAMBER]_PACING_THRESHOLD	Pacing threshold measurements for a particular lead electrical channel.
Impedance	LEADCHNL_[CHAMBER]_IMPEDANCE	Impedance measurements for a particular lead electrical channel.
Lead high-voltage channel	LEADHVCHNL	Device's high-voltage channel measurements.

6.2.2 Setting nodes

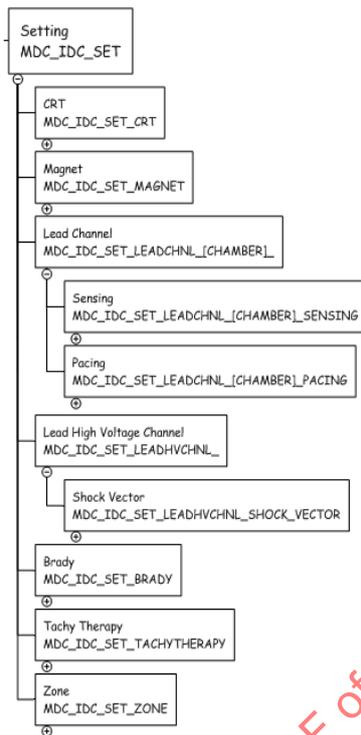


Figure 6—Setting nodes

Table 3—Setting node descriptions

Name	Containment node/Reference ID component MDC_IDC_SET_	Description
CRT	CRT	Cardiac resynchronization therapy settings.
Magnet	MAGNET	Magnet settings.
Lead channel	LEADCHNL_[CHAMBER]	Lead electric channel settings.
Sensing	LEADCHNL_[CHAMBER]_SENSING	Sensing settings for a particular lead electric channel.
Pacing	LEADCHNL_[CHAMBER]_PACING	Pacing settings for a particular lead electric channel.
Lead high-voltage channel	LEADHVCHNL	Lead high-voltage electric channel settings.
Shock vector	LEADHVCHNL_SHOCK_VECTOR	Shock vector settings for a lead high-voltage electric channel.
Brady	BRADY	Brady therapy settings.
Tachy therapy	TACHYTHERAPY	Tachy therapy settings.
Zone	ZONE	Tachy detection/therapy zone settings.

### 6.2.3 Statistic nodes

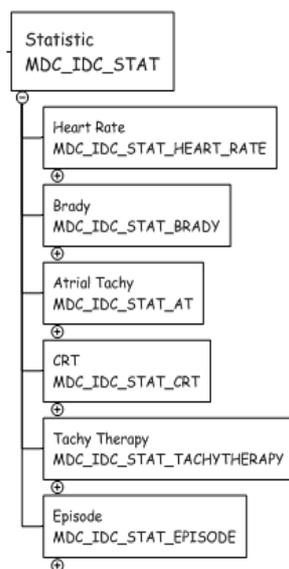


Figure 7—Statistic nodes

Table 4—Statistic node descriptions

Name	Containment node/Reference ID component MDC_IDC_STAT	Description
Heart rate	HEART_RATE	Heart rate statistics.
Brady	BRADY	Brady therapy statistics.
Atrial tachy	AT	Atrial tachyarrhythmia statistics.
CRT	CRT	Cardiac resynchronization therapy statistics.
Tachy therapy	TACHYTHERAPY	Tachy therapy statistics.
Episode	EPISODE	Episode statistics.

### 6.2.4 Discriminators in containment hierarchy

One discriminator [CHAMBER] was used to create the identifiers for the following containment nodes:

MDC\_IDC\_MSMT\_LEADCHNL\_[CHAMBER]

MDC\_IDC\_SET\_LEADCHNL\_[CHAMBER]

Rationale:

Implantable cardiac systems usually consist of more than one lead, and those leads can be located in different chambers of the heart. To address this, a discriminator was used that represents each of the four chambers of the heart and additional locations where leads may be placed (Table 5).

**Table 5—Containment node discriminators**

Discriminator token	Value	Description
CHAMBER	RA	Right atrial
	RV	Right ventricle
	LA	Left atrial
	LV	Left ventricle
	MIXED	Multiple chambers

## 7. Conformance

### 7.1 Applicability

Conformance to definitions of this standard is specified primarily at the appropriate application or system interface. It is expected that this standard will be referenced by other healthcare systems integration standards or profiles that define specific applications of the nomenclature.

### 7.2 Conformance specification

To support interoperability of applications and systems, an implementation based on this standard shall provide specific details about the way that the definitions of this standard are applied.

### 7.3 Implementation conformance statements (ICSs)

The general format of the ICSs is in the form of tables. Templates for these ICS tables are given in Table 6 through Table 8. The tables are to be filled out and provided as an overall conformance statement document.

Generally the column headers of an ICS table contain the following information:

- Index, which is an ID (e.g., a number) of a specific feature.
- Feature, which briefly describes the characteristic for the conformance statement to make.
- Reference, which is a reference to the definition of the feature (may be empty).
- Status, which specifies the conformance requirement (i.e., the requirements for a conforming implementation regarding the feature). In some cases, this standard does not specify conformance requirements but still wants a definition of the status for a particular feature.
- Support, which is filled out by the implementer and specifies the characteristics of the feature in the implementation.
- Comment, which contains additional information provided by the implementer.

## 7.4 General ICS

In a top-level general ICS, the implementer specifies versions/revisions that are supported by the implementation as well as by a conformance level.

**Table 6—General conformance requirements**

Index	Feature	Reference	Status	Support	Comment
GEN-1	Implementation Description	—	Identification of the device/application. Description of the functionality.		
GEN-2	Standard Document Revision	Standard document.	Identification of the supported revisions to IEEE Std 11073-10103.	Set of supported revisions to IEEE Std 11073-10103.	
GEN-3	Conformance Adherence - Level 1 -	—	Base conformance declaration that device/application meets the IEEE 11073-10103 mandatory conformance requirements.		
GEN-4	Conformance Adherence - Level 2 -	—	In addition to GEN-3 declaration that device/application meets the IEEE 11073-10103 optional conformance requirements.		

## 7.5 Mandatory ICS

In the Mandatory ICS, the implementer specifies that the implementation supports the normative conformance requirements of the standard.

**Table 7—Mandatory conformance requirements**

Index	Feature	Reference	Status	Support	Comment
REQ-1	Identification	—	-Mandatory- Does the implementation have strict adherence to the IEEE 11073-10103 constraints for unique reference identifier?	Yes/No (No implies non-conformant)	
REQ-2	Coding	—	-Mandatory- Does the implementation have strict adherence to the IEEE 11073-10103 constraints for term codes?	Yes/No (No implies non-conformant)	
REQ-3	Attributes	—	-Mandatory- Does the implementation have strict adherence to the IEEE 11073-10103 constraints for term attributes data type, data format, and unit of measure?	Yes/No (No implies non-conformant)	
REQ-4	Enumerations	—	-Mandatory- Does the implementation have strict adherence to the IEEE 11073-10103 constraints for general term enumeration?	Yes/No (No implies non-conformant)	
REQ-5	Semantics	—	-Mandatory- Does the implementation have strict adherence to the IEEE 11073-10103 constraints for term semantics (definition)?	Yes/No (No implies non-conformant)	

## 7.6 Optional ICS

In the Optional ICS, the implementer specifies that the implementation supports the informative conformance requirements of the standard.

**Table 8—Optional conformance requirements**

Index	Feature	Reference	Status	Support	Comment
OPT-1	Vendor enumeration	—	-Optional- Does the implementation have strict adherence to the IEEE 11073-10103 informative constraints for vendor enumerations?	Yes/No (No implies non-Level II conformance)	
OPT-2	Co-constraints	—	-Optional- Does the implementation have strict adherence to the IEEE 11073-10103 informative co-constraints for primary key, optionality, cardinality, and co-constraint rules?	Yes/No (No implies non-Level II conformance)	

## 8. Extensibility/versioning

Normative specifications for term identifiers in this standard are immutable. Identifiers will never be retired or reused.

All other constraints and text within the standard can be revised. The standard will carry a version number that specifies a revision. Modifications to the standard's text clauses or existing term constraints, or the addition of new text clauses or terms will incur a revision and new version number.

The version identifier will be a string that will consist of the following:

- The major version number—This is the leftmost integer value in a sequence of three such values separated by periods. The major version number will only be increased when beginning work toward a version with significant changes that impact backward compatibility.
- The minor version number—This is the middle integer value in a sequence of three such values separated by periods. The minor version number will be increased when beginning work toward a version with incremental additions, improvements, or fixes over the last version.
- The point version number—This is the third integer in a sequence of three such values separated by periods. The point version number is increased for vendor-specific versions. Point or vendor-specific versions are not normative. If used, then it should be followed by version qualifier string described below. The point version numbers will always be “0” for the balloted normative standard.
- The version qualifier string—This is a human readable string (ideally consisting only of ASCII letters, digits, periods, and dashes) that uniquely identifies the vendor making a point revision. It should be and is only included in the version identifier for point versions. It should be consistent for subsequent point releases by the same vendor. Point or vendor versions are not considered normative.

An example version number could be “1.02.03\_vendor” where “1” is the major version number, “02” is the minor version number, “03” is the point version number, and “\_vendor” is the version qualifier string.

## Annex A

(normative)

### Base terms

#### A.1 Overview

This annex presents the base terms of the nomenclature and their attributes. A base term is defined as a term prior to expansion of any included discriminators. Defining attributes at the base term level simplifies management of the nomenclature. This nomenclature defines the discrete terms necessary to convey a clinically relevant summary of the information obtained during an implantable cardiac device interrogation. Due to the specialized nature of implantable cardiac device attributes and intercardial observations, a separate, distinct, and standalone partition within the existing ISO/IEEE 11073-10101:2004 was created.

This standard also presents the containment nodes used to group-related terms. The containment nodes aggregate terms into sets with a related clinical semantic. Containment nodes are shaded gray and have a Type of "GROUP."

#### A.2 Version

All terms are version 1.0.0 for this initial release of the nomenclature.

#### A.3 Base term attributes

##### A.3.1 Reference identifier

The reference identifier or reference ID is a text token that uniquely identifies each term of the nomenclature. All base term and containment nodes reference identifiers are prepended with the text token "MDC\_IDC\_".

Reference identifiers may contain discriminators (see Clause 6). A table of discriminators is listed at the end of this annex.

##### A.3.2 Display name

The display name is a text phrase that describes a term and is suited for presenting terms on a report or user interface.

##### A.3.3 Definition

The definition is a formal statement that describes the meaning or semantic of the term.

##### A.3.4 Type

The data type of the base term.

The following data types are used for base terms.

- Date time—Specifies a point in time using a 24-hour clock notation.
- Enum (Enumerated)—Specifies a string whose value is of a defined set of string values. Lists of allowed values for enumerated terms are listed in Annex C.

- Numeric—Specifies a number represented as a series of ASCII numeric characters consisting of an optional leading sign (+ or –), the digits, and an optional decimal point.
- String—Specifies a set of any displayable ASCII characters except the defined control characters. Strings are left justified with trailing blanks optional.

For containment nodes, the data type is always GROUP.

### A.3.5 Format

The data format for a specific data type. The following two types of data formats are specified.

- String length—This is specified as a standalone integer and signifies the maximum length of a string value.
- Numeric format—This is specified as  $F_n.d$  where  $n$  is an integer representing the maximum number of digits allowed before the decimal place and  $d$  is an integer representing the maximum number of digits allowed after the decimal place.

### A.3.6 Unit of measure

The standard unit or system of units by means which a term quantity is accounted for or expressed. The units of measure used are shown in Table A.1.

Table A.1—Units of measure

Unit_of_Measure	Symbol	Description
Percent	%	Standard UCUM
Volts	V	Standard UCUM
Millivolts	mV	Standard UCUM
Ohms	Ohm	Standard UCUM
Joules	J	Standard UCUM
Minutes	min	Standard UCUM
Milliseconds	ms	Standard UCUM
Seconds	s	Standard UCUM
Hours	h	Standard UCUM
Months	mo	Standard UCUM
Sequences	{seq}	Number of sequences.
Shocks	{shocks}	Number of therapy shocks.
Mode switches	{switches}	Number of mode switches.
Heartbeats	{beats}	Number of heartbeats.
Heartbeats per minute	{beats}/min	Number of heartbeats per minute.

### A.3.7 Enumerator identifier

The enumerator identifier that refers to a set of enumerations for a term of the type enumerator. Tables that list enumerations for specific enumerator identifiers are listed later in this document.

#### A.4 Partition details

ISO/IEEE 11073-10101:2004 has been assigned a 32-bit code space that contains multiple partitions. This standard is the 11th partition from the ISO/IEEE 11073-10101 codes space with a partition size of 65,536 values. Multiplying the 64K partition size by the partition number results in the partition beginning at the offset value 720,896 and ends at 786,432. This code space has been subpartitioned into sections for terminology, enumerations, and vendor-specific extensions. The first half of the partition is used for normative terms, the next quarter for normative enumerations, and the last quarter for vendor-specific extensions. The current vendor-specific subpartition supports up to 16 vendors with each vendor having 1024 codes. Specific term and enumeration code values are presented in Annex B through Annex D.

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**A.5 Table of base terms**

**Table A.2—Base terms<sup>a</sup>**

Reference ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements. <sup>b</sup> )	Display name	Definition	Type	Format	Unit of measure	Enumerator ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements.)	K	O	C	CC
DEV	Implantable cardiac device	The group of cardiac device attributes.	GROUP	—	—	—	—	—	1..1	—
DEV_TYPE	Implantable cardiac device type	The type of cardiac device.	Enum	N/A	—	ENUM_DEV_TYPE	—	R	—	—
DEV_MODEL	Implantable cardiac device model	The model identifier of a cardiac device.	String	50	—	—	Y	R	—	—
DEV_SERIAL	Implantable cardiac device serial number	The serial number of a cardiac device.	String	40	—	—	Y	R	—	—
DEV_MFG	Implantable cardiac device manufacturer	The manufacturer of the cardiac device.	Enum	N/A	—	ENUM_MFG	Y	R	—	—
DEV_IMPLANT_DT	Implantable cardiac device implant date	The implant date of the cardiac device.	Date/Time	N/A	—	—	—	—	—	—
DEV_IMPLANTER	Implantable cardiac device implanter	The name of the physician that implanted the cardiac device.	String	50	—	—	—	—	—	—
DEV_IMPLANTER_CONTACT_INFO	Implantable cardiac device implanter contact information	The contact information of the physician that implanted the cardiac device.	String	100	—	—	—	—	—	—
DEV_IMPLANTING_FACILITY	Implantable cardiac device implanting facility	The facility (clinic/hospital) where the cardiac device was implanted.	String	100	—	—	—	—	—	—
LEAD	Implantable lead attributes	The group of lead attributes.	GROUP	—	—	—	—	—	0..N	—
LEAD_MODEL	Implantable lead model	The model of the lead.	String	50	—	—	Y	RE	—	—
LEAD_SERIAL	Implantable lead serial number	The serial number of the lead.	String	40	—	—	Y	RE	—	—
LEAD_MFG	Implantable lead manufacturer	The manufacturer of the lead.	Enum	N/A	—	ENUM_MFG	Y	RE	—	—
LEAD_IMPLANT_DT	Implantable lead implant date	The implant date of the lead.	Date/Time	N/A	—	—	—	—	—	—
LEAD_POLARITY_TYPE	Implantable lead polarity type	The number of electrodes on the lead.	Enum	N/A	—	ENUM_LEAD_POLARITY _TYPE	—	—	—	—
LEAD_LOCATION	Implantable lead location	The fixation location of the lead, usually indicating a chamber of the heart.	Enum	N/A	—	ENUM_LEAD_LOCATION _CHAMBER	—	—	—	—
LEAD_LOCATION_DETAIL_1	Implantable lead location detail 1	The first word of a combination of words describing further details of the location.	Enum	N/A	—	ENUM_LEAD_LOCATION _DETAIL	—	—	—	—
LEAD_LOCATION_DETAIL_2	Implantable lead location detail 2	The second word of a combination of words describing further details of the location.	Enum	N/A	—	ENUM_LEAD_LOCATION _DETAIL	—	—	—	—
LEAD_LOCATION_DETAIL_3	Implantable lead location detail 3	The third word of a combination of words describing further details of the location.	Enum	N/A	—	ENUM_LEAD_LOCATION _DETAIL	—	—	—	—
LEAD_CONNECTION_STATUS	Implantable lead connection status	The physical connection status of the lead, either connected or abandoned.	Enum	N/A	—	ENUM_LEAD_STATUS	—	—	—	—
LEAD_SPECIAL_FUNCTION	Implantable lead special function	A description of any special attribute or function of the lead.	String	20	—	—	—	—	—	—
SESS	Interrogation session	The group of session attributes.	GROUP	—	—	—	—	—	1..1	—

Table A.2—Base terms<sup>a</sup>

Reference ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements. <sup>b</sup> )	Display name	Definition	Type	Format	Unit of measure	Enumerator ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements.)	K	O	C	CC
SESS_DTM	Date time interrogation session	The date and time of the in-clinic or remote interrogation session.	Date/Time	N/A	—	—	—	R	—	—
SESS_TYPE	Type interrogation session	The type of device interaction that generated the current data set.	Enum	N/A	—	ENUM_SESS_TYPE	—	R	—	—
SESS_REPROGRAMMED	Reprogrammed during session	The indication of whether the device was re-programmed during the session.	Enum	N/A	—	ENUM_SESS_REPROGRAMMED	—	—	—	—
SESS_DTM_PREVIOUS	Date time previous interrogation session	The date and time of a previous in-clinic or remote interrogation.	Date/Time	N/A	—	—	—	—	—	—
SESS_TYPE_PREVIOUS	Type previous interrogation session	The type of device interaction of the previous interrogation.	Enum	N/A	—	ENUM_SESS_TYPE	—	—	—	—
SESS_REPROGRAMMED_PREVIOUS	Re-programmed during previous session	The indication of whether the device was re-programmed along with the previous interrogation.	Enum	N/A	—	ENUM_SESS_REPROGRAMMED	—	—	—	—
SESS_CLINICIAN_NAME	Clinician name	The name of the clinician that is responsible for the examination.	String	50	—	—	—	—	—	—
SESS_CLINICIAN_CONTACT_INFORMATION	Clinician contact information	The contact information for the responsible clinician.	String	100	—	—	—	—	—	—
SESS_CLINIC_NAME	Clinic name	The name of the clinic where the examination took place.	String	50	—	—	—	—	—	—
MSMT	Measurements	The group of measurement attributes.	GROUP	-	—	—	—	—	0..1	—
MSMT_DTM_[STRTEND]	Measurement date time	The date and time of a discrete or a group of measurements.	Date/Time	N/A	—	—	—	—	—	—
MSMT_BATTERY	Battery measurements	The group of battery measurement attributes.	GROUP	-	—	—	—	—	0..N	—
MSMT_BATTERY_DTM	Battery date time of measurements	The date and time of the battery measurements.	Date/Time	N/A	—	—	—	—	—	—
MSMT_BATTERY_STATUS	Battery status	The different stages of battery depletion.	Enum	N/A	—	ENUM_BATTERY_STATUS	—	—	—	—
MSMT_BATTERY_VOLTAGE	Battery voltage	The measured battery voltage.	Numeric	F6.2	V	—	—	—	—	—
MSMT_BATTERY_IMPEDANCE	Battery impedance	The measured battery impedance.	Numeric	F6.0	Ohm	—	—	—	—	—
MSMT_BATTERY_REMAINING_LONGEVITY	Battery remaining longevity	The estimated amount of battery capacity remaining in months.	Numeric	F6.0	mo	—	—	—	—	—
MSMT_BATTERY_REMAINING_PERCENTAGE	Battery remaining percentage	The estimated amount of battery capacity remaining in percent.	Numeric	F3.1	%	—	—	—	—	—
MSMT_BATTERY_RRT_TRIGGER	Battery RRT Trigger	The criteria for determining battery end of service condition.	String	50	—	—	—	—	—	—
MSMT_CAP	Capacitor measurements	The group of capacitor measurement attributes.	GROUP	-	—	—	—	—	0..N	—
MSMT_CAP_CHARGE_DTM	Capacitor last charge date time	The date and time of the capacitor charge.	Date/Time	N/A	—	—	—	—	—	—
MSMT_CAP_CHARGE_TIME	Capacitor charge time	The duration in seconds of the capacitor charge.	Numeric	F6.1	s	—	—	—	—	—
MSMT_CAP_CHARGE_ENERGY	Capacitor charge energy	The amount of energy stored after the capacitor charge.	Numeric	F4.0	J	—	—	—	—	—

Table A.2—Base terms<sup>a</sup>

Reference ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements. <sup>b</sup> )	Display name	Definition	Type	Format	Unit of measure	Enumerator ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements.)	K	O	C	CC
MSMT_CAP_CHARGE_TYPE	Capacitor charge type	The type of the capacitor charge.	Enum	N/A	—	ENUM_CHARGE_TYPE	—	—	—	—
MSMT_LEADCHNL_[CHAMBER]	Lead channel measurements	The group of measurement attributes per a given chamber.	GROUP	—	—	—	—	—	0..1	—
MSMT_LEADCHNL_[CHAMBER] _DTM_[STREND]	Lead channel measurements date and time	The date and time of the lead channel measurements.	Date/Time	N/A	—	—	—	—	—	—
MSMT_LEADCHNL_[CHAMBER] _LEAD_CHANNEL_STATUS	Lead channel status	The indication whether to check the lead.	Enum	N/A	—	ENUM_CHANNEL_STATUS	—	—	—	—
MSMT_LEADCHNL_[CHAMBER] _SENSING	Lead channel sensing measurements	The group of sensing measurement attributes per a given chamber.	GROUP	—	—	—	—	—	0..1	—
MSMT_LEADCHNL_[CHAMBER] _SENSING_INTR_AMPL_[MMM]	Lead channel sensing intrinsic amplitude	The measured amplitude of the intrinsic cardiac signal.	Numeric	F3.2	mV	—	—	—	—	—
MSMT_LEADCHNL_[CHAMBER] _SENSING_POLARITY	Lead channel sensing polarity	The type of polarity used for the intrinsic amplitude measurement.	Enum	N/A	—	ENUM_POLARITY	—	—	—	—
MSMT_LEADCHNL_[CHAMBER] _PACING_THRESHOLD	Lead channel pacing threshold measurements	The group of pacing threshold measurement attributes per a given chamber.	GROUP	—	—	—	—	—	0..1	—
MSMT_LEADCHNL_[CHAMBER] _PACING_THRESHOLD _AMPLITUDE	Lead channel pacing threshold amplitude	The minimum pulse amplitude needed for pacing capture for a given pulse width.	Numeric	F3.3	V	—	—	—	—	—
MSMT_LEADCHNL_[CHAMBER] _PACING_THRESHOLD _PULSEWIDTH	Lead channel pacing threshold pulse width	The pulse width that was applied when determining the pacing threshold amplitude.	Numeric	F3.2	ms	—	—	—	—	—
MSMT_LEADCHNL_[CHAMBER] _PACING_THRESHOLD _MEASUREMENT_METHOD	Lead channel pacing threshold measurement method	The method that was used to obtain the pacing threshold.	Enum	N/A	—	ENUM_MEASUREMENT_METHOD	—	—	—	—
MSMT_LEADCHNL_[CHAMBER] _PACING_THRESHOLD_POLARITY	Lead channel pacing threshold polarity	The type of lead polarity that was used for the pacing threshold measurement.	Enum	N/A	—	ENUM_POLARITY	—	—	—	—
MSMT_LEADCHNL_[CHAMBER] _IMPEDANCE	Lead channel impedance measurements	The group of impedance measurement attributes per a given chamber.	GROUP	—	—	—	—	—	0..1	—
MSMT_LEADCHNL_[CHAMBER] _IMPEDANCE_VALUE	Lead channel impedance value	The sum of the impedances of the lead wires and the electrode-myocardial interface.	Numeric	F6.0	Ohm	—	—	—	—	—
MSMT_LEADCHNL_[CHAMBER] _IMPEDANCE_POLARITY	Lead channel impedance polarity	The type of lead polarity used for measuring the lead impedance.	Enum	N/A	—	ENUM_POLARITY	—	—	—	—
MSMT_LEADHVCHNL	Lead high-voltage channel measurements	The group of high-voltage channel measurement attributes.	GROUP	—	—	—	—	—	0..N	—
MSMT_LEADHVCHNL_[DTM _STREND]	Lead high-voltage channel date time	The date and time of the high-voltage lead channel measurements.	Date/Time	N/A	—	—	—	—	—	—
MSMT_LEADHVCHNL_[IMPEDANCE]	Lead high-voltage channel impedance	The sum of the impedances of the shock lead wires and the electrode-myocardial interface.	Numeric	F6.0	Ohm	—	—	—	—	—
MSMT_LEADHVCHNL _MEASUREMENT_TYPE	Lead high-voltage channel measurement type	The electric pulse type used for measuring the shock lead impedance.	Enum	N/A	—	ENUM_HVCHNL_MEASUREMENT_TYPE	—	—	—	—

Table A.2—Base terms<sup>a</sup>

Reference ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements. <sup>b</sup> )	Display name	Definition	Type	Format	Unit of measure	Enumerator ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements.)	K	O	C	CC
MSMT_LEADHVCHNL_STATUS	Lead high-voltage channel status	The indication whether to check the high-voltage lead.	Enum	N/A	—	ENUM_CHANNEL_STATUS	—	—	—	—
SET	Settings	The group of settings.	GROUP	—	—	—	—	—	0..1	—
SET_CRT	CRT settings	The group of CRT settings.	GROUP	—	—	—	—	—	0..1	—
SET_CRT_LVRV_DELAY	CRT LV-RV delay	The time between the LV and RV pacing pulses (positive values indicate LV is first).	Numeric	F4.0	ms	—	—	—	—	—
SET_CRT_PACED_CHAMBERS	Ventricular chambers paced during CRT pacing.	The ventricular chambers paced during CRT pacing.	Enum	N/A	—	ENUM_CRT_PACED_CHAMBERS	—	—	—	—
SET_MAGNET	Magnet settings	The group of magnet settings.	GROUP	—	—	—	—	—	0..1	—
SET_MAGNET_RESP	Magnet response	A description of how the device responds to a magnet.	String	100	—	—	—	—	—	—
SET_LEADCHNL_[CHAMBER]	Lead channel settings	The group of settings per a given chamber.	GROUP	—	—	—	—	—	0..1	—
SET_LEADCHNL_[CHAMBER]_SENSING	Lead channel settings sensing	The group of sensing settings per a given chamber.	GROUP	—	—	—	—	—	0..1	—
SET_LEADCHNL_[CHAMBER]_SENSING_SENSITIVITY	Lead channel setting sensing sensitivity	The smallest electrical signal programmed to be detected by the device's sensing circuitry.	Numeric	F3.2	mV	—	—	—	—	—
SET_LEADCHNL_[CHAMBER]_SENSING_POLARITY	Lead channel setting sensing polarity	The indication of unipolar or bipolar configuration for sensing.	Enum	N/A	—	ENUM_POLARITY	—	—	—	—
SET_LEADCHNL_[CHAMBER]_SENSING_ANODE_LOCATION	Lead channel setting sensing anode location	The location of the electrodes that define the sensing vector's anode, noting that sensing is polarity neutral. An anode may consist of more than one electrode.	Enum	N/A	—	ENUM_ELECTRODE_LOCATION	—	—	—	CCI
SET_LEADCHNL_[CHAMBER]_SENSING_ANODE_ELECTRODE	Lead channel setting sensing anode terminal	The type of the electrodes that define the sensing vector's anode, noting that sensing is polarity neutral. An anode may consist of more than one electrode.	Enum	N/A	—	ENUM_ELECTRODE_NAME	—	—	—	CCI
SET_LEADCHNL_[CHAMBER]_SENSING_CATHODE_LOCATION	Lead channel setting sensing cathode location	The location of the electrodes that define the sensing vector's cathode, noting that sensing is polarity neutral. A cathode may consist of more than one electrode.	Enum	N/A	—	ENUM_ELECTRODE_LOCATION	—	—	—	CCI
SET_LEADCHNL_[CHAMBER]_SENSING_CATHODE_ELECTRODE	Lead channel setting sensing cathode terminal	The type of the electrodes that define the sensing vector's cathode, noting that sensing is polarity neutral. A cathode may consist of more than one electrode.	Enum	N/A	—	ENUM_ELECTRODE_NAME	—	—	—	CCI
SET_LEADCHNL_[CHAMBER]_SENSING_ADAPTATION_MODE	Lead channel setting sensing adaptation mode	Specifies whether the sensitivity is fixed or adapting.	Enum	N/A	—	ENUM_SENSING_ADAPTATION_MODE	—	—	—	—
SET_LEADCHNL_[CHAMBER]_PACING	Lead channel settings pacing	The group of pacing settings per a given chamber.	GROUP	—	—	—	—	—	0..1	—
SET_LEADCHNL_[CHAMBER]_PACING_AMPLITUDE	Lead channel setting pacing amplitude	The pacing output amplitude.	Numeric	F3.3	V	—	—	—	—	—
SET_LEADCHNL_[CHAMBER]_PACING_PULSEWIDTH	Lead channel setting pacing pulse width	The pacing output pulse width.	Numeric	F3.2	ms	—	—	—	—	—
SET_LEADCHNL_[CHAMBER]_PACING_POLARITY	Lead channel setting pacing polarity	The indication of unipolar or bipolar configuration for pacing.	Enum	N/A	—	ENUM_POLARITY	—	—	—	—

Table A.2—Base terms<sup>a</sup>

Reference ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements. <sup>b</sup> )	Display name	Definition	Type	Format	Unit of measure	Enumerator ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements.)	K	O	C	CC
SET_LEADCHNL_[CHAMBER] _PACING_ANODE_LOCATION [1..3]	Lead channel setting pacing anode location	The location of the electrodes that define the pacing vector's anode. An anode may consist of more than one electrode.	Enum	N/A	—	ENUM_ELECTRODE_LOCATION	—	—	—	CCI
SET_LEADCHNL_[CHAMBER] _PACING_ANODE_ELECTRODE [1..3]	Lead channel setting pacing anode terminal	The type of the electrodes that define the pacing vector's anode. An anode may consist of more than one electrode.	Enum	N/A	—	ENUM_ELECTRODE_NAME	—	—	—	CCI
SET_LEADCHNL_[CHAMBER] _PACING_CATHODE_LOCATION [1..3]	Lead channel setting pacing cathode location	The location of the electrodes that define the pacing vector's cathode. A cathode may consist of more than one electrode.	Enum	N/A	—	ENUM_ELECTRODE_LOCATION	—	—	—	CCI
SET_LEADCHNL_[CHAMBER] _PACING_CATHODE_ELECTRODE [1..3]	Lead channel setting pacing cathode terminal	The type of the electrodes that define the pacing vector's cathode. A cathode may consist of more than one electrode.	Enum	N/A	—	ENUM_ELECTRODE_NAME	—	—	—	CCI
SET_LEADCHNL_[CHAMBER] _PACING_CAPTURE_MODE	Lead channel setting pacing capture mode	The method the device uses for managing pacing capture.	Enum	N/A	—	ENUM_PACING_CAPTURE_MODE	—	—	—	—
SET_LEADHVCHNL	Lead high-voltage channel setting	The group of high-voltage settings.	GROUP	—	—	—	—	—	0..1	—
SET_LEADHVCHNL_SHOCK VECTOR	Lead high-voltage channel setting shock vector	The group of high-voltage shock vector settings.	GROUP	—	—	—	—	—	0..1	—
SET_LEADHVCHNL_SHOCK VECTOR_ANODE_LOCATION [1..3]	Lead high-voltage channel setting shock vector anode location	The location of the anode electrode that defines the shocking vector for the lead. An anode may consist of more than one electrode.	Enum	N/A	—	ENUM_ELECTRODE_LOCATION	—	—	—	CCI
SET_LEADHVCHNL_SHOCK VECTOR_ANODE_ELECTRODE [1..3]	Lead high-voltage channel setting shock vector anode terminal	The anode electrode terminal that defines the shocking vector for the lead. An anode may consist of more than one electrode.	Enum	N/A	—	ENUM_ELECTRODE_NAME	—	—	—	CCI
SET_LEADHVCHNL_SHOCK VECTOR_CATHODE_LOCATION [1..3]	Lead high-voltage channel setting shock vector cathode location	The location of the cathode electrode that defines the shocking vector for the lead. A cathode may consist of more than one electrode.	Enum	N/A	—	ENUM_ELECTRODE_LOCATION	—	—	—	CCI
SET_LEADHVCHNL_SHOCK VECTOR_CATHODE_ELECTRODE [1..3]	Lead high-voltage channel setting shock vector cathode terminal	The cathode electrode terminal that defines the shocking vector for the lead. A cathode may consist of more than one electrode.	Enum	N/A	—	ENUM_ELECTRODE_NAME	—	—	—	CCI
SET_BRADY	Brady settings	The group of brady therapy settings.	GROUP	—	—	—	—	—	0..1	—
SET_BRADY_MODE	Brady setting mode (NBG code)	The brady pacing mode according to the NBG standard.	Enum	N/A	—	ENUM_BRADY_MODE	—	—	—	—
SET_BRADY_VENDOR_MODE	Brady setting mode (vendor specific)	The brady pacing mode as defined by vendor-specific codes.	String	20	—	—	—	—	—	—
SET_BRADY_LOWRATE	Brady setting lower rate limit	The rate at which the device paces in the absence of a cardiac rhythm faster than the lower rate and without influence from features that can affect the pacing rate.	Numeric	F3.0	{beats}/min	—	—	—	—	—
SET_BRADY_HYSTRATE	Brady setting hysteresis rate	The lower rate for the hysteresis feature.	Numeric	F3.0	{beats}/min	—	—	—	—	—
SET_BRADY_NIGHT_RATE	Brady setting night rate	The lower rate for the night rate feature.	Numeric	F3.0	{beats}/min	—	—	—	—	—
SET_BRADY_SENSOR_TYPE	Brady setting sensor type	The type of sensor applied for rate adaptive pacing.	String	20	—	—	—	—	—	—

Table A.2—Base terms<sup>a</sup>

Reference ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements. <sup>b</sup> )	Display name	Definition	Type	Format	Unit of measure	Enumerator ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements.)	K	O	C	CC
SET_BRADY_MAX_TRACKING_RATE	Brady setting maximum tracking rate	The fastest atrial rate at which ventricular pacing occurs with 1:1 synchrony.	Numeric	F3.0	{beats}/min	—	—	—	—	—
SET_BRADY_MAX_SENSOR_RATE	Brady setting maximum sensor rate	The fastest sensor-driven pacing rate that can be achieved in a rate-adaptive pacing system.	Numeric	F3.0	{beats}/min	—	—	—	—	—
SET_BRADY_SAV_DELAY [HIGHLOW]	Brady setting SAV delay	The interval from an intrinsic (sensed) P wave to a paced ventricular event.	Numeric	F4.0	ms	—	—	—	—	—
SET_BRADY_PAV_DELAY [HIGHLOW]	Brady setting PAV delay	The interval from a paced atrial event to a paced ventricular event.	Numeric	F4.0	ms	—	—	—	—	—
SET_BRADY_AT_MODE_SWITCH	Brady setting AT mode switch mode	The atrial tachycardia mode switch mode.	Enum	N/A	—	ENUM_BRADY_MODE	—	—	—	—
SET_BRADY_AT_MODE_SWITCH_RATE	Brady setting AT mode switch rate	The atrial tachycardia mode switch rate.	Numeric	F3.0	{beats}/min	—	—	—	—	—
SET_TACHYTHERAPY	Tachy therapy settings	The group of high-level tachy therapy settings.	GROUP	—	—	—	—	—	0..1	—
SET_TACHYTHERAPY_VSTAT	Tachy therapy setting ventricular status	The high level programmed status for ventricular tachy therapies.	Enum	N/A	—	ENUM_THERAPY_STATUS	—	—	—	—
SET_TACHYTHERAPY_ASTAT	Tachy therapy setting atrial status	The high-level programmed status for atrial tachy therapies.	Enum	N/A	—	ENUM_THERAPY_STATUS	—	—	—	—
SET_ZONE	Zone settings	The group of zone settings.	GROUP	—	—	—	—	—	0..N	—
SET_ZONE_TYPE	Zone setting type category	The general type of the zone for tachy therapy detection.	Enum	N/A	—	ENUM_ZONE_TYPE	Y	RE	—	—
SET_ZONE_VENDOR_TYPE	Zone setting vendor type category	The vendor-specific type of the zone for tachy therapy detection.	Enum	N/A	—	ENUM_ZONE_VENDOR_TYPE	Y	RE	—	—
SET_ZONE_STATUS	Zone setting status	The status of the zone, whether it is active or not.	Enum	N/A	—	ENUM_ZONE_STATUS	—	—	—	—
SET_ZONE_DETECTION_INTERVAL	Zone setting detection interval	The upper interval limit of the zone for tachy therapy detection.	Numeric	F4.0	ms	—	—	—	—	—
SET_ZONE_DETECTION_BEATS_NUMERATOR	Zone setting detection beats numerator	The numerator portion of the tachy detection ratio.	Numeric	F3.0	{beats}	—	—	—	—	CC2
SET_ZONE_DETECTION_BEATS_DENOMINATOR	Zone setting detection beats denominator	The denominator portion of the tachy detection ratio.	Numeric	F3.0	{beats}	—	—	—	—	CC2
SET_ZONE_DETECTION_DETAILS	Zone setting detection details	A text describing arrhythmia detection details.	String	50	—	—	—	—	—	—
SET_ZONE_TYPE_ATP [1..10]	Zone setting ATP type	The type of antitachycardia pacing (ATP) sequences programmed per ATP type.	Enum	N/A	—	ENUM_ATP_TYPE	—	—	—	CC3
SET_ZONE_NUM_ATP_SEQS [1..10]	Zone setting number of ATP sequences	The number of ATP pulse sequences programmed per ATP type.	Numeric	F3.0	{seq}	—	—	—	—	CC3
SET_ZONE_SHOCK_ENERGY [1..10]	Zone setting shock energy	The shock energy delivered at a particular sequence of a zone therapy.	Numeric	F4.1	J	—	—	—	—	CC4
SET_ZONE_NUM_SHOCKS [1..10]	Zone Setting Number of Shocks	The maximum number of shocks set to be delivered at the given shock energy.	Numeric	F3.0	{shocks}	—	—	—	—	CC4
STAT	Statistics	The group of statistics.	GROUP	—	—	—	—	—	0..1	—

Table A.2—Base terms<sup>a</sup>

Reference ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements. <sup>b</sup> )	Display name	Definition	Type	Format	Unit of measure	Enumerator ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements.)	K	O	C	CC
STAT_DTM_[STRTEND]	Statistic date time	The date and time period for the aggregated statistics.	Date Time	N/A	—	—	—	RE	—	—
STAT_HEART_RATE	Statistic heart rate	The group of heart rate statistics.	GROUP	—	—	—	—	—	0..1	—
STAT_HEART_RATE_DTM_[STRTEND]	Statistic heart rate date time	The date and time period for the heart rate statistics.	Date Time	N/A	—	—	—	RE	—	CC5
STAT_HEART_RATE_ATRIAL_[MMMM]	Statistic atrial heart rate	The mean atrial heart rate over the specified time period.	Numeric	F3.0	{beats}/min	—	—	—	—	—
STAT_HEART_RATE_VENTRICULAR_[MMMM]	Statistic ventricular heart rate	The mean ventricular heart rate over the specified time period.	Numeric	F3.0	{beats}/min	—	—	—	—	—
STAT_BRADY	Brady statistics	The group of brady statistics.	GROUP	—	—	—	—	—	0..1	—
STAT_BRADY_DTM_[STRTEND]	Brady statistic date time	The date time period of the brady statistics.	Date Time	N/A	—	—	—	RE	—	CC5
STAT_BRADY_RA_PERCENT_PACED	Brady statistic RA percent paced	The percentage of pacing events in the right atrial chamber over the specified time period.	Numeric	F3.1	%	—	—	—	—	—
STAT_BRADY_RV_PERCENT_PACED	Brady statistic RV percent paced	The percentage of pacing events in the right ventricular chamber over the specified time period.	Numeric	F3.1	%	—	—	—	—	—
STAT_BRADY_AP_VP_PERCENT	Brady statistic AP VP percent	The percentages of atrial pace-ventricular pace sequences in relationship to all AV sequences over the specified time period.	Numeric	F3.1	%	—	—	—	—	—
STAT_BRADY_AS_VP_PERCENT	Brady statistic AS VP percent	The percentage of atrial sense-ventricular pace sequences in relationship to all AV sequences over the specified time period.	Numeric	F3.1	%	—	—	—	—	—
STAT_BRADY_AP_VS_PERCENT	Brady statistic AP VS percent	The percentage of atrial pace-ventricular sense sequences in relationship to all AV sequences over the specified time period.	Numeric	F3.1	%	—	—	—	—	—
STAT_BRADY_AS_VS_PERCENT	Brady statistic AS VS percent	The percentage of atrial sense-ventricular sense sequences in relationship to all AV sequences over the specified time period.	Numeric	F3.1	%	—	—	—	—	—
STAT_AT	Atrial tachy statistics	The group of atrial tachyarrhythmia statistics.	GROUP	—	—	—	—	—	0..1	—
STAT_AT_DTM_[STRTEND]	Atrial tachy statistic date time	The date and time period for the AT statistics.	Date Time	N/A	—	—	—	RE	—	CC5
STAT_AT_MODE_SW_MAX_DURATION	Atrial tachy statistic maximum mode switch duration	The maximum contiguous time the device is in AT mode switch over the specified time period.	Numeric	F8.0	s	—	—	—	—	—
STAT_AT_BURDEN_PERCENT	Atrial tachy statistic AT/AF burden percent	The percent of time in AT/AF per day over the specified time period.	Numeric	F3.0	%	—	—	—	—	—
STAT_AT_MODE_SW_PERCENT_TIME	Atrial tachy statistic percent time in mode switch	The percentage of time the device is in AT mode switch over the specified time period.	Numeric	F3.0	%	—	—	—	—	—
STAT_AT_MODE_SW_PERCENT_TIME_PER_DAY	Atrial tachy statistic percent time in mode switch per day	The percentage of time per day the device is in AT mode switch over the specified time period.	Numeric	F3.0	%	—	—	—	—	—
STAT_AT_MODE_SW_COUNT	Atrial tachy statistic number of mode switches	The number of mode switches over the specified time period.	Numeric	F8.0	{switches}	—	—	—	—	—
STAT_AT_MODE_SW_COUNT_PER_DAY	Atrial tachy statistic number of mode switches per day	The average number of mode switches per day over the specified time period.	Numeric	F8.0	{switches}	—	—	—	—	—

Table A.2—Base terms<sup>a</sup>

Reference ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements. <sup>b</sup> )	Display name	Definition	Type	Format	Unit of measure	Enumerator ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements.)	K	O	C	CC
STAT_CRT	CRT statistics	The group of CRT statistics.	GROUP	—	—	—	—	—	0..1	—
STAT_CRT_DTM_ISTRENDI	CRT statistic date time	The date and time period for the CRT statistics.	DateTime	N/A	—	—	—	RE	—	CC5
STAT_CRT_LV_PERCENT_PACED	CRT statistic LV percent paced	The percentage of LV pacing events in relation to all LV events over the specified time period.	Numeric	F3.1	%	—	—	—	—	—
STAT_CRT_PERCENT_PACED	CRT statistic CRT percent paced	The percentage of LV pacing events due to CRT mode in relation to all ventricular events over the specified time period.	Numeric	F3.1	%	—	—	—	—	—
STAT_TACHYTHERAPY	Tachy therapy statistics	The group of tachy therapy statistics.	GROUP	—	—	—	—	—	0..1	—
STAT_TACHYTHERAPY_SHOCKS_DELIVERED_RECENT	Tachy therapy statistic recent shocks delivered	The number of shocks applied over the specified time period.	Numeric	F5.0	{shocks}	—	—	—	—	—
STAT_TACHYTHERAPY_SHOCKS_DELIVERED_TOTAL	Tachy therapy statistic total shocks delivered	The total number of shocks applied since implantation or device reset.	Numeric	F5.0	{shocks}	—	—	—	—	—
STAT_TACHYTHERAPY_SHOCKS_ABORTED_RECENT	Tachy therapy statistic recent shocks aborted	The number of shocks aborted over the specified time period.	Numeric	F5.0	{shocks}	—	—	—	—	—
STAT_TACHYTHERAPY_SHOCKS_ABORTED_TOTAL	Tachy therapy statistic total shocks aborted	The total number of shocks aborted since implantation or device reset.	Numeric	F5.0	{shocks}	—	—	—	—	—
STAT_TACHYTHERAPY_ATP_DELIVERED_RECENT	Tachy therapy statistic recent ATP delivered	The number of ATP sequences delivered over the specified time period.	Numeric	F6.0	{seq}	—	—	—	—	—
STAT_TACHYTHERAPY_ATP_DELIVERED_TOTAL	Tachy therapy statistic total ATP delivered	The total number of ATP sequences delivered since implantation or device reset.	Numeric	F6.0	{seq}	—	—	—	—	—
STAT_TACHYTHERAPY_TOTAL_DTM_ISTRENDI	Tachy therapy statistic total date time	The date and time period for the total tachy therapy statistics.	DateTime	N/A	—	—	—	—	—	—
STAT_TACHYTHERAPY_RECENT_DTM_ISTRENDI	Tachy therapy statistic recent date time	The date and time period for the recent tachy therapy statistics.	DateTime	N/A	—	—	—	RE	—	CC5
STAT_EPISODE	Episode statistics	The group of episode statistics.	GROUP	—	—	—	—	—	0..N	—
STAT_EPISODE_TYPE	Episode statistic type category	The generic type of the episode being reported.	Enum	N/A	—	ENUM_EPISODE_TYPE	Y	RE	—	—
STAT_EPISODE_TYPE_INDUCED	Episode statistic type induced	The indication of whether the episode has been induced or not.	Enum	N/A	—	ENUM_EPISODE_TYPE_INDUCED	—	—	—	—
STAT_EPISODE_VENDOR_TYPE	Episode statistic vendor type category	The vendor type of the episode being reported.	Enum	N/A	—	ENUM_EPISODE_VENDOR_TYPE	Y	RE	—	—
STAT_EPISODE_RECENT_COUNT	Episode statistic recent count	The number of episodes per episode type over the specified time period.	Numeric	F7.0	—	—	—	—	—	—
STAT_EPISODE_RECENT_COUNT_DTM_ISTRENDI	Episode statistic recent date time	The date and time period for the recent episode counts.	DateTime	N/A	—	—	—	RE	—	—
STAT_EPISODE_TOTAL_COUNT	Episode statistic total count	The number of episodes per episode type since implantation or device reset.	Numeric	F7.0	—	—	—	—	—	—
STAT_EPISODE_TOTAL_COUNT_DTM_ISTRENDI	Episode statistic total date time	The date and time period for the total episode counts.	DateTime	N/A	—	—	—	—	—	—
EPISODE	Episode	The group of episodes.	GROUP	—	—	—	—	—	0..N	—

Table A.2—Base terms<sup>a</sup>

Reference ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements. <sup>b</sup> )	Display name	Definition	Type	Format	Unit of measure	Enumerator ID Prepend MDC_IDC_ (NOTE—Spaces are only included for readability improvements.)	K	O	C	CC
EPISODE_ID	Episode identifier	The unique identifier for the episode.	String	100	—	—	Y	RE	—	—
EPISODE_DTM	Episode date time	The detection date and time of the episode.	Date/Time	N/A	—	—	—	—	—	—
EPISODE_TYPE	Episode type category	The generic type of the episode being reported.	Enum	N/A	—	ENUM_EPISODE_TYPE	—	RE	—	—
EPISODE_TYPE_INDUCED	Episode type induced flag	The indication of whether the episode has been induced or not.	Enum	N/A	—	ENUM_EPISODE_TYPE_INDUCED	—	—	—	—
EPISODE_VENDOR_TYPE	Episode vendor type category	The vendor type of the episode being reported.	Enum	N/A	—	ENUM_EPISODE_VENDOR_TYPE	—	RE	—	—
EPISODE_ATRIAL_INTERVAL_AT_DETECTION	Episode detection interval atrial	The atrial interval at the time of detection.	Numeric	F4.0	ms	—	—	—	—	—
EPISODE_ATRIAL_INTERVAL_AT_TERMINATION	Episode termination interval atrial	The atrial interval at the time of termination.	Numeric	F4.0	ms	—	—	—	—	—
EPISODE_VENTRICULAR_INTERVAL_AT_DETECTION	Episode detection interval ventricular	The ventricular interval at the time of detection.	Numeric	F4.0	ms	—	—	—	—	—
EPISODE_VENTRICULAR_INTERVAL_AT_TERMINATION	Episode termination interval ventricular	The ventricular interval at the time of termination.	Numeric	F4.0	ms	—	—	—	—	—
EPISODE_DETECTION_THERAPY_DETAILS	Episode detection and therapy details	A text describing details about the detection and therapy delivered.	String	100	—	—	—	—	—	—
EPISODE_THERAPY_RESULT	Episode therapy result	The indicator of therapy success.	Enum	N/A	—	ENUM_EPISODE_THERAPY_RESULT	—	—	—	—
EPISODE_DURATION	Episode duration	The duration of the episode in seconds.	Numeric	F8.0	s	—	—	—	—	—

<sup>a</sup>Columns K (primary key), O (optional key), C (cardinality), and CC (co-constraint) are informative properties and are described in detail in Annex B.

<sup>b</sup>Notes in text, tables, and figures of a standard are given for information only and do not contain requirements needed to implement this standard.

## A.6 Table of discriminators

Table A.3—Discriminators

ID	Discriminator	Bits	# Identifier	Values	Description	Offset
MDC_IDC_DISC_CHAMBER	CHAMBER	3	1	RA	Right atrial	0
			1	RV	Right ventricle	1
			1	LA	Left atrial	2
			1	LV	Left ventricle	3
			1	MIXED	Multiple chambers	4
MDC_IDC_DISC_MMM	MMM	2	2	MIN	Minimum	0
			2	MAX	Maximum	1
			2	MEAN	Mean	2
MDC_IDC_DISC_HIGHLOW	HIGHLOW	2	3	HIGH	High	0
			3	LOW	Low	1
MDC_IDC_DISC_1_10	1..10	4	4	1	First instance of ten	0
			4	2	Second instance of ten	1
			4	3	Third instance of ten	2
			4	4	Fourth instance of ten	3
			4	5	Fifth instance of ten	4
			4	6	Sixth instance of ten	5
			4	7	Seventh instance of ten	6
			4	8	Eighth instance of ten	7
			4	9	Ninth instance of ten	8
			4	10	Tenth instance of ten	9
MDC_IDC_DISC_1_3	1..3	3	5	1	First instance of three	0
			5	2	Second instance of three	1
			5	3	Third instance of three	2
MDC_IDC_DISC_STRTEND	STRTEND	4	6	START	Start date	0
			6	END	End date	1

## Annex B

(informative)

### Base terms additional properties

#### B.1 Overview

This annex describes additional informative properties as presented in Table A.2.

#### B.2 Primary key

The primary key is an informative co-constraint and specifies which terms comprise a primary key for the set of terms within a containment node. Terms that belong to a primary key have a “Y” in the primary key column.

#### B.3 O—Optionality

The optionality is an informative co-constraint and specifies whether a term is required within a containment node grouping. Values for optionality are as follows:

- R (Required)—Specifies that the term is required to be reported.
- RE (Required if Exists)—Specifies that the term is required if information is being reported for the containment node.

#### B.4 C—Cardinality

The cardinality is an informative co-constraint that specifies cardinality of containment nodes. Values for cardinality are formatted using classic data modeling techniques (Table B.1).

Table B.1—Cardinality Codes

Symbol	Meaning
0..1	Zero-to-one
0..N	Zero-to-many
1..1	One-to-one
1..N	One-to-many

#### B.5 CC—Co-constraint rules

The co-constraint rules are informative and are text clauses that describe additional co-constraints that cannot be represented using primary key, optionality, or cardinality (Table B.2). Co-constraint rules are listed at the end of Annex A.

## B.5.1 Table of co-constraint rules

Table B.2—Table of co-constraint rules

Co-constraint-ID	Co-constraint requirement
CC1	Both location and terminal must be provided when ANODE or CATHODE are defined.
CC2	Detection numerator and denominator must be provided as a pair.
CC3	Type of ATPs and number of ATP sequences must be provided as a pair.
CC4	Shock energy and number of shocks must be provided as a pair.
CC5	A date time range must be provided for a statistical measurements.

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## Annex C

(normative)

### Expanded terms with systematic name and codes

#### C.1 Overview

This annex presents the expanded terms with reference identifier, systematic name, and code attributes. Expanded terms are base terms with any discriminators expanded (Table C.1).

#### C.2 Expanded term attributes

##### C.2.1 Reference identifier

The reference identifier or reference ID is a text token that uniquely identifies each term of the nomenclature. See Clause 6 for a detailed description of how reference identifiers are constructed.

##### C.2.2 Systematic name

The systematic name is a set of natural language words or phrases presented in a hierarchical structure. This structure uniquely and semantically represents each term of the nomenclature. The systematic name is suited for language translation.

##### C.2.3 Code

A numeric token that uniquely identifies each term of the nomenclature.

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C.3 Expanded terms with systematic name and codes (normative)

Table C.1—Expanded terms

NORMATIVE		Code
Reference ID	Systematic name	
MDC_IDC_DEV_TYPE	type   cardiac device   idc   mdc	720897
MDC_IDC_DEV_MODEL	model   cardiac device   idc   mdc	720898
MDC_IDC_DEV_SERIAL	serial number   cardiac device   idc   mdc	720899
MDC_IDC_DEV_MFG	manufacturer   cardiac device   idc   mdc	720900
MDC_IDC_DEV_IMPLANT_DT	implant date   cardiac device   idc   mdc	720901
MDC_IDC_DEV_IMPLANTER	implanter   cardiac device   idc   mdc	720902
MDC_IDC_DEV_IMPLANTER_CONTACT_INFO	implanter contact information   cardiac device   idc   mdc	720903
MDC_IDC_DEV_IMPLANTING_FACILITY	implanting facility   cardiac device   idc   mdc	720904
MDC_IDC_LEAD_MODEL	model   lead   idc   mdc	720961
MDC_IDC_LEAD_SERIAL	serial number   lead   idc   mdc	720962
MDC_IDC_LEAD_MFG	manufacturer   lead   idc   mdc	720963
MDC_IDC_LEAD_IMPLANT_DT	implant date   lead   idc   mdc	720964
MDC_IDC_LEAD_POLARITY_TYPE	polarity type   lead   idc   mdc	720965
MDC_IDC_LEAD_LOCATION	location   lead   idc   mdc	720966
MDC_IDC_LEAD_LOCATION_DETAIL_1	detail 1   location   lead   idc   mdc	720967
MDC_IDC_LEAD_LOCATION_DETAIL_2	detail 2   location   lead   idc   mdc	720968
MDC_IDC_LEAD_LOCATION_DETAIL_3	detail 3   location   lead   idc   mdc	720969
MDC_IDC_LEAD_CONNECTION_STATUS	connection status   lead   idc   mdc	720970
MDC_IDC_LEAD_SPECIAL_FUNCTION	special function   lead   idc   mdc	720971
MDC_IDC_SESS_DTM	date time   session   idc   mdc	721025
MDC_IDC_SESS_TYPE	type   session   idc   mdc	721026
MDC_IDC_SESS_REPROGRAMMED	reprogrammed   session   idc   mdc	721027
MDC_IDC_SESS_DTM_PREVIOUS	previous date time   session   idc   mdc	721028
MDC_IDC_SESS_TYPE_PREVIOUS	previous type   session   idc   mdc	721029
MDC_IDC_SESS_REPROGRAMMED_PREVIOUS	reprogrammed previous   session   idc   mdc	721030
MDC_IDC_SESS_CLINICIAN_NAME	clinician name   session   idc   mdc	721031
MDC_IDC_SESS_CLINICIAN_CONTACT_INFORMATION	clinician contact information   session   idc   mdc	721032
MDC_IDC_SESS_CLINIC_NAME	clinic name   session   idc   mdc	721033
MDC_IDC_MSMT_DTM	date time   measurement   idc   mdc	721152
MDC_IDC_MSMT_DTM_START	date time_start   measurement   idc   mdc	721153
MDC_IDC_MSMT_DTM_END	date time_end   measurement   idc   mdc	721154
MDC_IDC_MSMT_BATTERY_DTM	date time   battery   measurement   idc   mdc	721216
MDC_IDC_MSMT_BATTERY_STATUS	status   battery   measurement   idc   mdc	721280
MDC_IDC_MSMT_BATTERY_VOLTAGE	voltage   battery   measurement   idc   mdc	721344
MDC_IDC_MSMT_BATTERY_IMPEDANCE	impedance   battery   measurement   idc   mdc	721408
MDC_IDC_MSMT_BATTERY_REMAINING_LONGEVITY	remaining longevity   battery   measurement   idc   mdc	721472
MDC_IDC_MSMT_BATTERY_REMAINING_PERCENTAGE	remaining percentage   battery   measurement   idc   mdc	721536

Table C.1—Expanded terms

NORMATIVE		Code
Reference ID	Systematic name	
MDC_IDC_MSMT_BATTERY_RRT_TRIGGER	recommended replacement time trigger   battery   measurement   idc   mdc	721600
MDC_IDC_MSMT_CAP_CHARGE_DTM	last charge date time   capacitor   measurement   idc   mdc	721664
MDC_IDC_MSMT_CAP_CHARGE_TIME	charge time   capacitor   measurement   idc   mdc	721728
MDC_IDC_MSMT_CAP_CHARGE_ENERGY	charge energy   capacitor   measurement   idc   mdc	721792
MDC_IDC_MSMT_CAP_CHARGE_TYPE	charge type   capacitor   measurement   idc   mdc	721856
MDC_IDC_MSMT_LEADCHNL_RA_DTM	date time   lead channel_ra   measurement   idc   mdc	721920
MDC_IDC_MSMT_LEADCHNL_RA_DTM_START	date time_start   lead channel_ra   measurement   idc   mdc	721921
MDC_IDC_MSMT_LEADCHNL_RA_DTM_END	date time_end   lead channel_ra   measurement   idc   mdc	721922
MDC_IDC_MSMT_LEADCHNL_RV_DTM	date time   lead channel_rv   measurement   idc   mdc	721924
MDC_IDC_MSMT_LEADCHNL_RV_DTM_START	date time_start   lead channel_rv   measurement   idc   mdc	721925
MDC_IDC_MSMT_LEADCHNL_RV_DTM_END	date time_end   lead channel_rv   measurement   idc   mdc	721926
MDC_IDC_MSMT_LEADCHNL_LA_DTM	date time   lead channel_la   measurement   idc   mdc	721928
MDC_IDC_MSMT_LEADCHNL_LA_DTM_START	date time_start   lead channel_la   measurement   idc   mdc	721929
MDC_IDC_MSMT_LEADCHNL_LA_DTM_END	date time_end   lead channel_la   measurement   idc   mdc	721930
MDC_IDC_MSMT_LEADCHNL_LV_DTM	date time   lead channel_lv   measurement   idc   mdc	721932
MDC_IDC_MSMT_LEADCHNL_LV_DTM_START	date time_start   lead channel_lv   measurement   idc   mdc	721933
MDC_IDC_MSMT_LEADCHNL_LV_DTM_END	date time_end   lead channel_lv   measurement   idc   mdc	721934
MDC_IDC_MSMT_LEADCHNL_MIXED_DTM	date time   lead channel_mixed   measurement   idc   mdc	721936
MDC_IDC_MSMT_LEADCHNL_MIXED_DTM_START	date time_start   lead channel_mixed   measurement   idc   mdc	721937
MDC_IDC_MSMT_LEADCHNL_MIXED_DTM_END	date time_end   lead channel_mixed   measurement   idc   mdc	721938
MDC_IDC_MSMT_LEADCHNL_RA_LEAD_CHANNEL_STATUS	lead channel status   lead channel_ra   measurement   idc   mdc	721984
MDC_IDC_MSMT_LEADCHNL_RV_LEAD_CHANNEL_STATUS	lead channel status   lead channel_rv   measurement   idc   mdc	721985
MDC_IDC_MSMT_LEADCHNL_LA_LEAD_CHANNEL_STATUS	lead channel status   lead channel_la   measurement   idc   mdc	721986
MDC_IDC_MSMT_LEADCHNL_LV_LEAD_CHANNEL_STATUS	lead channel status   lead channel_lv   measurement   idc   mdc	721987
MDC_IDC_MSMT_LEADCHNL_MIXED_LEAD_CHANNEL_STATUS	lead channel status   lead channel_mixed   measurement   idc   mdc	721988
MDC_IDC_MSMT_LEADCHNL_RA_SENSING_INTR_AMPL	sensing intrinsic amplitude   lead channel_ra   measurement   idc   mdc	722048
MDC_IDC_MSMT_LEADCHNL_RA_SENSING_INTR_AMPL_MAX	sensing intrinsic amplitude_max   lead channel_ra   measurement   idc   mdc	722049
MDC_IDC_MSMT_LEADCHNL_RA_SENSING_INTR_AMPL_MIN	sensing intrinsic amplitude_min   lead channel_ra   measurement   idc   mdc	722050
MDC_IDC_MSMT_LEADCHNL_RA_SENSING_INTR_AMPL_MEAN	sensing intrinsic amplitude_mean   lead channel_ra   measurement   idc   mdc	722051
MDC_IDC_MSMT_LEADCHNL_RV_SENSING_INTR_AMPL	sensing intrinsic amplitude   lead channel_rv   measurement   idc   mdc	722052
MDC_IDC_MSMT_LEADCHNL_RV_SENSING_INTR_AMPL_MAX	sensing intrinsic amplitude_max   lead channel_rv   measurement   idc   mdc	722053
MDC_IDC_MSMT_LEADCHNL_RV_SENSING_INTR_AMPL_MIN	sensing intrinsic amplitude_min   lead channel_rv   measurement   idc   mdc	722054
MDC_IDC_MSMT_LEADCHNL_RV_SENSING_INTR_AMPL_MEAN	sensing intrinsic amplitude_mean   lead channel_rv   measurement   idc   mdc	722055
MDC_IDC_MSMT_LEADCHNL_LA_SENSING_INTR_AMPL	sensing intrinsic amplitude   lead channel_la   measurement   idc   mdc	722056
MDC_IDC_MSMT_LEADCHNL_LA_SENSING_INTR_AMPL_MAX	sensing intrinsic amplitude_max   lead channel_la   measurement   idc   mdc	722057
MDC_IDC_MSMT_LEADCHNL_LA_SENSING_INTR_AMPL_MIN	sensing intrinsic amplitude_min   lead channel_la   measurement   idc   mdc	722058
MDC_IDC_MSMT_LEADCHNL_LA_SENSING_INTR_AMPL_MEAN	sensing intrinsic amplitude_mean   lead channel_la   measurement   idc   mdc	722059
MDC_IDC_MSMT_LEADCHNL_LV_SENSING_INTR_AMPL	sensing intrinsic amplitude   lead channel_lv   measurement   idc   mdc	722060
MDC_IDC_MSMT_LEADCHNL_LV_SENSING_INTR_AMPL_MAX	sensing intrinsic amplitude_max   lead channel_lv   measurement   idc   mdc	722061
MDC_IDC_MSMT_LEADCHNL_LV_SENSING_INTR_AMPL_MIN	sensing intrinsic amplitude_min   lead channel_lv   measurement   idc   mdc	722062

Table C.1—Expanded terms

NORMATIVE		Code
Reference ID	Systematic name	
MDC_IDC_MSMT_LEADCHNL_LV_SENSING_INTR_AMPL_MEAN	sensing intrinsic amplitude   lead channel_lv   measurement   idc   mdc	722063
MDC_IDC_MSMT_LEADCHNL_MIXED_SENSING_INTR_AMPL	sensing intrinsic amplitude   lead channel_mixed   measurement   idc   mdc	722064
MDC_IDC_MSMT_LEADCHNL_MIXED_SENSING_INTR_AMPL_MAX	sensing intrinsic amplitude_max   lead channel_mixed   measurement   idc   mdc	722065
MDC_IDC_MSMT_LEADCHNL_MIXED_SENSING_INTR_AMPL_MIN	sensing intrinsic amplitude_min   lead channel_mixed   measurement   idc   mdc	722066
MDC_IDC_MSMT_LEADCHNL_MIXED_SENSING_INTR_AMPL_MEAN	sensing intrinsic amplitude_mean   lead channel_mixed   measurement   idc   mdc	722067
MDC_IDC_MSMT_LEADCHNL_RA_SENSING_POLARITY	sensing polarity   lead channel_ra   measurement   idc   mdc	722112
MDC_IDC_MSMT_LEADCHNL_RV_SENSING_POLARITY	sensing polarity   lead channel_rv   measurement   idc   mdc	722113
MDC_IDC_MSMT_LEADCHNL_LA_SENSING_POLARITY	sensing polarity   lead channel_la   measurement   idc   mdc	722114
MDC_IDC_MSMT_LEADCHNL_LV_SENSING_POLARITY	sensing polarity   lead channel_lv   measurement   idc   mdc	722115
MDC_IDC_MSMT_LEADCHNL_MIXED_SENSING_POLARITY	sensing polarity   lead channel_mixed   measurement   idc   mdc	722116
MDC_IDC_MSMT_LEADCHNL_RA_PACING_THRESHOLD_AMPLITUDE	amplitude   pacing threshold   lead channel_ra   measurement   idc   mdc	722176
MDC_IDC_MSMT_LEADCHNL_RV_PACING_THRESHOLD_AMPLITUDE	amplitude   pacing threshold   lead channel_rv   measurement   idc   mdc	722177
MDC_IDC_MSMT_LEADCHNL_LA_PACING_THRESHOLD_AMPLITUDE	amplitude   pacing threshold   lead channel_la   measurement   idc   mdc	722178
MDC_IDC_MSMT_LEADCHNL_LV_PACING_THRESHOLD_AMPLITUDE	amplitude   pacing threshold   lead channel_lv   measurement   idc   mdc	722179
MDC_IDC_MSMT_LEADCHNL_MIXED_PACING_THRESHOLD_AMPLITUDE	amplitude   pacing threshold   lead channel_mixed   measurement   idc   mdc	722180
MDC_IDC_MSMT_LEADCHNL_RA_PACING_THRESHOLD_PULSEWIDTH	pulse width   pacing threshold   lead channel_ra   measurement   idc   mdc	722240
MDC_IDC_MSMT_LEADCHNL_RV_PACING_THRESHOLD_PULSEWIDTH	pulse width   pacing threshold   lead channel_rv   measurement   idc   mdc	722241
MDC_IDC_MSMT_LEADCHNL_LA_PACING_THRESHOLD_PULSEWIDTH	pulse width   pacing threshold   lead channel_la   measurement   idc   mdc	722242
MDC_IDC_MSMT_LEADCHNL_LV_PACING_THRESHOLD_PULSEWIDTH	pulse width   pacing threshold   lead channel_lv   measurement   idc   mdc	722243
MDC_IDC_MSMT_LEADCHNL_MIXED_PACING_THRESHOLD_PULSEWIDTH	pulse width   pacing threshold   lead channel_mixed   measurement   idc   mdc	722244
MDC_IDC_MSMT_LEADCHNL_RA_PACING_THRESHOLD_MEASUREMENT_METHOD	measurement method   pacing threshold   lead channel_ra   measurement   idc   mdc	722304
MDC_IDC_MSMT_LEADCHNL_RV_PACING_THRESHOLD_MEASUREMENT_METHOD	measurement method   pacing threshold   lead channel_rv   measurement   idc   mdc	722305
MDC_IDC_MSMT_LEADCHNL_LA_PACING_THRESHOLD_MEASUREMENT_METHOD	measurement method   pacing threshold   lead channel_la   measurement   idc   mdc	722306
MDC_IDC_MSMT_LEADCHNL_LV_PACING_THRESHOLD_MEASUREMENT_METHOD	measurement method   pacing threshold   lead channel_lv   measurement   idc   mdc	722307
MDC_IDC_MSMT_LEADCHNL_MIXED_PACING_THRESHOLD_MEASUREMENT_METHOD	measurement method   pacing threshold   lead channel_mixed   measurement   idc   mdc	722308
MDC_IDC_MSMT_LEADCHNL_RA_PACING_THRESHOLD_POLARITY	polarity   pacing threshold   lead channel_ra   measurement   idc   mdc	722368
MDC_IDC_MSMT_LEADCHNL_RV_PACING_THRESHOLD_POLARITY	polarity   pacing threshold   lead channel_rv   measurement   idc   mdc	722369
MDC_IDC_MSMT_LEADCHNL_LA_PACING_THRESHOLD_POLARITY	polarity   pacing threshold   lead channel_la   measurement   idc   mdc	722370
MDC_IDC_MSMT_LEADCHNL_LV_PACING_THRESHOLD_POLARITY	polarity   pacing threshold   lead channel_lv   measurement   idc   mdc	722371
MDC_IDC_MSMT_LEADCHNL_MIXED_PACING_THRESHOLD_POLARITY	polarity   pacing threshold   lead channel_mixed   measurement   idc   mdc	722372
MDC_IDC_MSMT_LEADCHNL_RA_IMPEDANCE_VALUE	value   impedance   lead channel_ra   measurement   idc   mdc	722432
MDC_IDC_MSMT_LEADCHNL_RV_IMPEDANCE_VALUE	value   impedance   lead channel_rv   measurement   idc   mdc	722433
MDC_IDC_MSMT_LEADCHNL_LA_IMPEDANCE_VALUE	value   impedance   lead channel_la   measurement   idc   mdc	722434
MDC_IDC_MSMT_LEADCHNL_LV_IMPEDANCE_VALUE	value   impedance   lead channel_lv   measurement   idc   mdc	722435
MDC_IDC_MSMT_LEADCHNL_MIXED_IMPEDANCE_VALUE	value   impedance   lead channel_mixed   measurement   idc   mdc	722436

Table C.1—Expanded terms

NORMATIVE		Code
Reference ID	Systematic name	
MDC_IDC_MSMT_LEADCHNL_RA_IMPEDANCE_POLARITY	polarity   impedance   lead channel_ra   measurement   idc   mdc	722496
MDC_IDC_MSMT_LEADCHNL_RV_IMPEDANCE_POLARITY	polarity   impedance   lead channel_rv   measurement   idc   mdc	722497
MDC_IDC_MSMT_LEADCHNL_LA_IMPEDANCE_POLARITY	polarity   impedance   lead channel_la   measurement   idc   mdc	722498
MDC_IDC_MSMT_LEADCHNL_LV_IMPEDANCE_POLARITY	polarity   impedance   lead channel_lv   measurement   idc   mdc	722499
MDC_IDC_MSMT_LEADCHNL_MIXED_IMPEDANCE_POLARITY	polarity   impedance   lead channel_mixed   measurement   idc   mdc	722500
MDC_IDC_MSMT_LEADHVCHNL_DTM	date time   lead high-voltage channel   measurement   idc   mdc	722560
MDC_IDC_MSMT_LEADHVCHNL_DTM_START	date time_start   lead high-voltage channel   measurement   idc   mdc	722561
MDC_IDC_MSMT_LEADHVCHNL_DTM_END	date time_end   lead high-voltage channel   measurement   idc   mdc	722562
MDC_IDC_MSMT_LEADHVCHNL_IMPEDANCE	impedance   lead high-voltage channel   measurement   idc   mdc	722624
MDC_IDC_MSMT_LEADHVCHNL_MEASUREMENT_TYPE	measurement type   lead high-voltage channel   measurement   idc   mdc	722688
MDC_IDC_MSMT_LEADHVCHNL_STATUS	status   lead high-voltage channel   measurement   idc   mdc	722752
MDC_IDC_SET_CRT_LVRV_DELAY	cardiac resynchronization therapy left ventricle right ventricle delay   setting   idc   mdc	729344
MDC_IDC_SET_CRT_PACED_CHAMBERS	cardiac resynchronization therapy paced chambers   setting   idc   mdc	729408
MDC_IDC_SET_MAGNET_RESP	magnet response   setting   idc   mdc	729472
MDC_IDC_SET_LEADCHNL_RA_SENSING_SENSITIVITY	sensitivity   sensing   lead channel_ra   setting   idc   mdc	729536
MDC_IDC_SET_LEADCHNL_RV_SENSING_SENSITIVITY	sensitivity   sensing   lead channel_rv   setting   idc   mdc	729537
MDC_IDC_SET_LEADCHNL_LA_SENSING_SENSITIVITY	sensitivity   sensing   lead channel_la   setting   idc   mdc	729538
MDC_IDC_SET_LEADCHNL_LV_SENSING_SENSITIVITY	sensitivity   sensing   lead channel_lv   setting   idc   mdc	729539
MDC_IDC_SET_LEADCHNL_MIXED_SENSING_SENSITIVITY	sensitivity   sensing   lead channel_mixed   setting   idc   mdc	729540
MDC_IDC_SET_LEADCHNL_RA_SENSING_POLARITY	polarity   sensing   lead channel_ra   setting   idc   mdc	729600
MDC_IDC_SET_LEADCHNL_RV_SENSING_POLARITY	polarity   sensing   lead channel_rv   setting   idc   mdc	729601
MDC_IDC_SET_LEADCHNL_LA_SENSING_POLARITY	polarity   sensing   lead channel_la   setting   idc   mdc	729602
MDC_IDC_SET_LEADCHNL_LV_SENSING_POLARITY	polarity   sensing   lead channel_lv   setting   idc   mdc	729603
MDC_IDC_SET_LEADCHNL_MIXED_SENSING_POLARITY	polarity   sensing   lead channel_mixed   setting   idc   mdc	729604
MDC_IDC_SET_LEADCHNL_RA_SENSING_ANODE_LOCATION	anode location   sensing   lead channel_ra   setting   idc   mdc	729664
MDC_IDC_SET_LEADCHNL_RV_SENSING_ANODE_LOCATION	anode location   sensing   lead channel_rv   setting   idc   mdc	729665
MDC_IDC_SET_LEADCHNL_LA_SENSING_ANODE_LOCATION	anode location   sensing   lead channel_la   setting   idc   mdc	729666
MDC_IDC_SET_LEADCHNL_LV_SENSING_ANODE_LOCATION	anode location   sensing   lead channel_lv   setting   idc   mdc	729667
MDC_IDC_SET_LEADCHNL_MIXED_SENSING_ANODE_LOCATION	anode location   sensing   lead channel_mixed   setting   idc   mdc	729668
MDC_IDC_SET_LEADCHNL_RA_SENSING_ANODE_LOCATION_1	anode location   sensing   lead channel_ra   setting   idc   mdc	729669
MDC_IDC_SET_LEADCHNL_RV_SENSING_ANODE_LOCATION_1	anode location   sensing   lead channel_rv   setting   idc   mdc	729670
MDC_IDC_SET_LEADCHNL_LA_SENSING_ANODE_LOCATION_1	anode location   sensing   lead channel_la   setting   idc   mdc	729671
MDC_IDC_SET_LEADCHNL_LV_SENSING_ANODE_LOCATION_1	anode location   sensing   lead channel_lv   setting   idc   mdc	729672
MDC_IDC_SET_LEADCHNL_MIXED_SENSING_ANODE_LOCATION_1	anode location   sensing   lead channel_mixed   setting   idc   mdc	729673
MDC_IDC_SET_LEADCHNL_RA_SENSING_ANODE_LOCATION_2	anode location   sensing   lead channel_ra   setting   idc   mdc	729674
MDC_IDC_SET_LEADCHNL_RV_SENSING_ANODE_LOCATION_2	anode location   sensing   lead channel_rv   setting   idc   mdc	729675
MDC_IDC_SET_LEADCHNL_LA_SENSING_ANODE_LOCATION_2	anode location   sensing   lead channel_la   setting   idc   mdc	729676
MDC_IDC_SET_LEADCHNL_LV_SENSING_ANODE_LOCATION_2	anode location   sensing   lead channel_lv   setting   idc   mdc	729677
MDC_IDC_SET_LEADCHNL_MIXED_SENSING_ANODE_LOCATION_2	anode location   sensing   lead channel_mixed   setting   idc   mdc	729678

Table C.1—Expanded terms

NORMATIVE		Code
Reference ID	Systematic name	
MDC_IDC.SET_LEADCHNL_LV_SENSING_ANODE_LOCATION_3	anode location_3   sensing   lead channel_lv   setting   idc   mdc	729679
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_ANODE_LOCATION	anode location   sensing   lead channel_mixed   setting   idc   mdc	729680
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_ANODE_LOCATION_1	anode location_1   sensing   lead channel_mixed   setting   idc   mdc	729681
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_ANODE_LOCATION_2	anode location_2   sensing   lead channel_mixed   setting   idc   mdc	729682
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_ANODE_LOCATION_3	anode location_3   sensing   lead channel_mixed   setting   idc   mdc	729683
MDC_IDC.SET_LEADCHNL_RA_SENSING_ANODE_ELECTRODE	anode electrode   sensing   lead channel_ra   setting   idc   mdc	729728
MDC_IDC.SET_LEADCHNL_RA_SENSING_ANODE_ELECTRODE_1	anode electrode_1   sensing   lead channel_ra   setting   idc   mdc	729729
MDC_IDC.SET_LEADCHNL_RA_SENSING_ANODE_ELECTRODE_2	anode electrode_2   sensing   lead channel_ra   setting   idc   mdc	729730
MDC_IDC.SET_LEADCHNL_RA_SENSING_ANODE_ELECTRODE_3	anode electrode_3   sensing   lead channel_ra   setting   idc   mdc	729731
MDC_IDC.SET_LEADCHNL_RV_SENSING_ANODE_ELECTRODE	anode electrode   sensing   lead channel_rv   setting   idc   mdc	729732
MDC_IDC.SET_LEADCHNL_RV_SENSING_ANODE_ELECTRODE_1	anode electrode_1   sensing   lead channel_rv   setting   idc   mdc	729733
MDC_IDC.SET_LEADCHNL_RV_SENSING_ANODE_ELECTRODE_2	anode electrode_2   sensing   lead channel_rv   setting   idc   mdc	729734
MDC_IDC.SET_LEADCHNL_RV_SENSING_ANODE_ELECTRODE_3	anode electrode_3   sensing   lead channel_rv   setting   idc   mdc	729735
MDC_IDC.SET_LEADCHNL_LA_SENSING_ANODE_ELECTRODE	anode electrode   sensing   lead channel_la   setting   idc   mdc	729736
MDC_IDC.SET_LEADCHNL_LA_SENSING_ANODE_ELECTRODE_1	anode electrode_1   sensing   lead channel_la   setting   idc   mdc	729737
MDC_IDC.SET_LEADCHNL_LA_SENSING_ANODE_ELECTRODE_2	anode electrode_2   sensing   lead channel_la   setting   idc   mdc	729738
MDC_IDC.SET_LEADCHNL_LA_SENSING_ANODE_ELECTRODE_3	anode electrode_3   sensing   lead channel_la   setting   idc   mdc	729739
MDC_IDC.SET_LEADCHNL_LV_SENSING_ANODE_ELECTRODE	anode electrode   sensing   lead channel_lv   setting   idc   mdc	729740
MDC_IDC.SET_LEADCHNL_LV_SENSING_ANODE_ELECTRODE_1	anode electrode_1   sensing   lead channel_lv   setting   idc   mdc	729741
MDC_IDC.SET_LEADCHNL_LV_SENSING_ANODE_ELECTRODE_2	anode electrode_2   sensing   lead channel_lv   setting   idc   mdc	729742
MDC_IDC.SET_LEADCHNL_LV_SENSING_ANODE_ELECTRODE_3	anode electrode_3   sensing   lead channel_lv   setting   idc   mdc	729743
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_ANODE_ELECTRODE	anode electrode   sensing   lead channel_mixed   setting   idc   mdc	729744
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_ANODE_ELECTRODE_1	anode electrode_1   sensing   lead channel_mixed   setting   idc   mdc	729745
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_ANODE_ELECTRODE_2	anode electrode_2   sensing   lead channel_mixed   setting   idc   mdc	729746
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_ANODE_ELECTRODE_3	anode electrode_3   sensing   lead channel_mixed   setting   idc   mdc	729747
MDC_IDC.SET_LEADCHNL_RA_SENSING_CATHODE_LOCATION	cathode location   sensing   lead channel_ra   setting   idc   mdc	729792
MDC_IDC.SET_LEADCHNL_RA_SENSING_CATHODE_LOCATION_1	cathode location_1   sensing   lead channel_ra   setting   idc   mdc	729793
MDC_IDC.SET_LEADCHNL_RA_SENSING_CATHODE_LOCATION_2	cathode location_2   sensing   lead channel_ra   setting   idc   mdc	729794
MDC_IDC.SET_LEADCHNL_RA_SENSING_CATHODE_LOCATION_3	cathode location_3   sensing   lead channel_ra   setting   idc   mdc	729795
MDC_IDC.SET_LEADCHNL_RV_SENSING_CATHODE_LOCATION	cathode location   sensing   lead channel_rv   setting   idc   mdc	729796
MDC_IDC.SET_LEADCHNL_RV_SENSING_CATHODE_LOCATION_1	cathode location_1   sensing   lead channel_rv   setting   idc   mdc	729797
MDC_IDC.SET_LEADCHNL_RV_SENSING_CATHODE_LOCATION_2	cathode location_2   sensing   lead channel_rv   setting   idc   mdc	729798
MDC_IDC.SET_LEADCHNL_RV_SENSING_CATHODE_LOCATION_3	cathode location_3   sensing   lead channel_rv   setting   idc   mdc	729799
MDC_IDC.SET_LEADCHNL_LA_SENSING_CATHODE_LOCATION	cathode location   sensing   lead channel_la   setting   idc   mdc	729800
MDC_IDC.SET_LEADCHNL_LA_SENSING_CATHODE_LOCATION_1	cathode location_1   sensing   lead channel_la   setting   idc   mdc	729801
MDC_IDC.SET_LEADCHNL_LA_SENSING_CATHODE_LOCATION_2	cathode location_2   sensing   lead channel_la   setting   idc   mdc	729802
MDC_IDC.SET_LEADCHNL_LA_SENSING_CATHODE_LOCATION_3	cathode location_3   sensing   lead channel_la   setting   idc   mdc	729803
MDC_IDC.SET_LEADCHNL_LV_SENSING_CATHODE_LOCATION	cathode location   sensing   lead channel_lv   setting   idc   mdc	729804
MDC_IDC.SET_LEADCHNL_LV_SENSING_CATHODE_LOCATION_1	cathode location_1   sensing   lead channel_lv   setting   idc   mdc	729805
MDC_IDC.SET_LEADCHNL_LV_SENSING_CATHODE_LOCATION_2	cathode location_2   sensing   lead channel_lv   setting   idc   mdc	729806

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Reference ID	Systematic name	Code
MDC_IDC.SET_LEADCHNL_LV_SENSING_CATHODE_LOCATION_3	cathode location_3   sensing   lead channel_lv   setting   idc   mdc	729807
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_CATHODE_LOCATION	cathode location   sensing   lead channel_mixed   setting   idc   mdc	729808
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_CATHODE_LOCATION_1	cathode location_1   sensing   lead channel_mixed   setting   idc   mdc	729809
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_CATHODE_LOCATION_2	cathode location_2   sensing   lead channel_mixed   setting   idc   mdc	729810
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_CATHODE_LOCATION_3	cathode location_3   sensing   lead channel_mixed   setting   idc   mdc	729811
MDC_IDC.SET_LEADCHNL_RA_SENSING_CATHODE_ELECTRODE	cathode electrode   sensing   lead channel_ra   setting   idc   mdc	729856
MDC_IDC.SET_LEADCHNL_RA_SENSING_CATHODE_ELECTRODE_1	cathode electrode_1   sensing   lead channel_ra   setting   idc   mdc	729857
MDC_IDC.SET_LEADCHNL_RA_SENSING_CATHODE_ELECTRODE_2	cathode electrode_2   sensing   lead channel_ra   setting   idc   mdc	729858
MDC_IDC.SET_LEADCHNL_RA_SENSING_CATHODE_ELECTRODE_3	cathode electrode_3   sensing   lead channel_ra   setting   idc   mdc	729859
MDC_IDC.SET_LEADCHNL_RV_SENSING_CATHODE_ELECTRODE	cathode electrode   sensing   lead channel_rv   setting   idc   mdc	729860
MDC_IDC.SET_LEADCHNL_RV_SENSING_CATHODE_ELECTRODE_1	cathode electrode_1   sensing   lead channel_rv   setting   idc   mdc	729861
MDC_IDC.SET_LEADCHNL_RV_SENSING_CATHODE_ELECTRODE_2	cathode electrode_2   sensing   lead channel_rv   setting   idc   mdc	729862
MDC_IDC.SET_LEADCHNL_RV_SENSING_CATHODE_ELECTRODE_3	cathode electrode_3   sensing   lead channel_rv   setting   idc   mdc	729863
MDC_IDC.SET_LEADCHNL_LA_SENSING_CATHODE_ELECTRODE	cathode electrode   sensing   lead channel_la   setting   idc   mdc	729864
MDC_IDC.SET_LEADCHNL_LA_SENSING_CATHODE_ELECTRODE_1	cathode electrode_1   sensing   lead channel_la   setting   idc   mdc	729865
MDC_IDC.SET_LEADCHNL_LA_SENSING_CATHODE_ELECTRODE_2	cathode electrode_2   sensing   lead channel_la   setting   idc   mdc	729866
MDC_IDC.SET_LEADCHNL_LA_SENSING_CATHODE_ELECTRODE_3	cathode electrode_3   sensing   lead channel_la   setting   idc   mdc	729867
MDC_IDC.SET_LEADCHNL_LV_SENSING_CATHODE_ELECTRODE	cathode electrode   sensing   lead channel_lv   setting   idc   mdc	729868
MDC_IDC.SET_LEADCHNL_LV_SENSING_CATHODE_ELECTRODE_1	cathode electrode_1   sensing   lead channel_lv   setting   idc   mdc	729869
MDC_IDC.SET_LEADCHNL_LV_SENSING_CATHODE_ELECTRODE_2	cathode electrode_2   sensing   lead channel_lv   setting   idc   mdc	729870
MDC_IDC.SET_LEADCHNL_LV_SENSING_CATHODE_ELECTRODE_3	cathode electrode_3   sensing   lead channel_lv   setting   idc   mdc	729871
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_CATHODE_ELECTRODE	cathode electrode   sensing   lead channel_mixed   setting   idc   mdc	729872
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_CATHODE_ELECTRODE_1	cathode electrode_1   sensing   lead channel_mixed   setting   idc   mdc	729873
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_CATHODE_ELECTRODE_2	cathode electrode_2   sensing   lead channel_mixed   setting   idc   mdc	729874
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_CATHODE_ELECTRODE_3	cathode electrode_3   sensing   lead channel_mixed   setting   idc   mdc	729875
MDC_IDC.SET_LEADCHNL_RA_SENSING_ADAPTATION_MODE	adaptation mode   sensing   lead channel_ra   setting   idc   mdc	729920
MDC_IDC.SET_LEADCHNL_RV_SENSING_ADAPTATION_MODE	adaptation mode   sensing   lead channel_rv   setting   idc   mdc	729921
MDC_IDC.SET_LEADCHNL_LA_SENSING_ADAPTATION_MODE	adaptation mode   sensing   lead channel_la   setting   idc   mdc	729922
MDC_IDC.SET_LEADCHNL_LV_SENSING_ADAPTATION_MODE	adaptation mode   sensing   lead channel_lv   setting   idc   mdc	729923
MDC_IDC.SET_LEADCHNL_MIXED_SENSING_ADAPTATION_MODE	adaptation mode   sensing   lead channel_mixed   setting   idc   mdc	729924
MDC_IDC.SET_LEADCHNL_RA_PACING_AMPLITUDE	amplitude   pacing   lead channel_ra   setting   idc   mdc	729984
MDC_IDC.SET_LEADCHNL_RV_PACING_AMPLITUDE	amplitude   pacing   lead channel_rv   setting   idc   mdc	729985
MDC_IDC.SET_LEADCHNL_LA_PACING_AMPLITUDE	amplitude   pacing   lead channel_la   setting   idc   mdc	729986
MDC_IDC.SET_LEADCHNL_LV_PACING_AMPLITUDE	amplitude   pacing   lead channel_lv   setting   idc   mdc	729987
MDC_IDC.SET_LEADCHNL_MIXED_PACING_AMPLITUDE	amplitude   pacing   lead channel_mixed   setting   idc   mdc	729988
MDC_IDC.SET_LEADCHNL_RA_PACING_PULSEWIDTH	pulse width   pacing   lead channel_ra   setting   idc   mdc	730048
MDC_IDC.SET_LEADCHNL_RV_PACING_PULSEWIDTH	pulse width   pacing   lead channel_rv   setting   idc   mdc	730049
MDC_IDC.SET_LEADCHNL_LA_PACING_PULSEWIDTH	pulse width   pacing   lead channel_la   setting   idc   mdc	730050
MDC_IDC.SET_LEADCHNL_LV_PACING_PULSEWIDTH	pulse width   pacing   lead channel_lv   setting   idc   mdc	730051
MDC_IDC.SET_LEADCHNL_MIXED_PACING_PULSEWIDTH	pulse width   pacing   lead channel_mixed   setting   idc   mdc	730052

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Reference ID	Systematic name	
MDC_IDC.SET_LEADCHNL_RA_PACING_POLARITY	polarity   pacing   lead channel_ra   setting   idc   mdc	730112
MDC_IDC.SET_LEADCHNL_RV_PACING_POLARITY	polarity   pacing   lead channel_rv   setting   idc   mdc	730113
MDC_IDC.SET_LEADCHNL_LA_PACING_POLARITY	polarity   pacing   lead channel_la   setting   idc   mdc	730114
MDC_IDC.SET_LEADCHNL_LV_PACING_POLARITY	polarity   pacing   lead channel_lv   setting   idc   mdc	730115
MDC_IDC.SET_LEADCHNL_MIXED_PACING_POLARITY	polarity   pacing   lead channel_mixed   setting   idc   mdc	730116
MDC_IDC.SET_LEADCHNL_RA_PACING_ANODE_LOCATION	anode location   pacing   lead channel_ra   setting   idc   mdc	730176
MDC_IDC.SET_LEADCHNL_RA_PACING_ANODE_LOCATION_1	anode location_1   pacing   lead channel_ra   setting   idc   mdc	730177
MDC_IDC.SET_LEADCHNL_RA_PACING_ANODE_LOCATION_2	anode location_2   pacing   lead channel_ra   setting   idc   mdc	730178
MDC_IDC.SET_LEADCHNL_RA_PACING_ANODE_LOCATION_3	anode location_3   pacing   lead channel_ra   setting   idc   mdc	730179
MDC_IDC.SET_LEADCHNL_RV_PACING_ANODE_LOCATION	anode location   pacing   lead channel_rv   setting   idc   mdc	730180
MDC_IDC.SET_LEADCHNL_RV_PACING_ANODE_LOCATION_1	anode location_1   pacing   lead channel_rv   setting   idc   mdc	730181
MDC_IDC.SET_LEADCHNL_RV_PACING_ANODE_LOCATION_2	anode location_2   pacing   lead channel_rv   setting   idc   mdc	730182
MDC_IDC.SET_LEADCHNL_RV_PACING_ANODE_LOCATION_3	anode location_3   pacing   lead channel_rv   setting   idc   mdc	730183
MDC_IDC.SET_LEADCHNL_LA_PACING_ANODE_LOCATION	anode location   pacing   lead channel_la   setting   idc   mdc	730184
MDC_IDC.SET_LEADCHNL_LA_PACING_ANODE_LOCATION_1	anode location_1   pacing   lead channel_la   setting   idc   mdc	730185
MDC_IDC.SET_LEADCHNL_LA_PACING_ANODE_LOCATION_2	anode location_2   pacing   lead channel_la   setting   idc   mdc	730186
MDC_IDC.SET_LEADCHNL_LA_PACING_ANODE_LOCATION_3	anode location_3   pacing   lead channel_la   setting   idc   mdc	730187
MDC_IDC.SET_LEADCHNL_LV_PACING_ANODE_LOCATION	anode location   pacing   lead channel_lv   setting   idc   mdc	730188
MDC_IDC.SET_LEADCHNL_LV_PACING_ANODE_LOCATION_1	anode location_1   pacing   lead channel_lv   setting   idc   mdc	730189
MDC_IDC.SET_LEADCHNL_LV_PACING_ANODE_LOCATION_2	anode location_2   pacing   lead channel_lv   setting   idc   mdc	730190
MDC_IDC.SET_LEADCHNL_LV_PACING_ANODE_LOCATION_3	anode location_3   pacing   lead channel_lv   setting   idc   mdc	730191
MDC_IDC.SET_LEADCHNL_MIXED_PACING_ANODE_LOCATION	anode location   pacing   lead channel_mixed   setting   idc   mdc	730192
MDC_IDC.SET_LEADCHNL_MIXED_PACING_ANODE_LOCATION_1	anode location_1   pacing   lead channel_mixed   setting   idc   mdc	730193
MDC_IDC.SET_LEADCHNL_MIXED_PACING_ANODE_LOCATION_2	anode location_2   pacing   lead channel_mixed   setting   idc   mdc	730194
MDC_IDC.SET_LEADCHNL_MIXED_PACING_ANODE_LOCATION_3	anode location_3   pacing   lead channel_mixed   setting   idc   mdc	730195
MDC_IDC.SET_LEADCHNL_RA_PACING_ANODE_ELECTRODE	anode electrode   pacing   lead channel_ra   setting   idc   mdc	730240
MDC_IDC.SET_LEADCHNL_RA_PACING_ANODE_ELECTRODE_1	anode electrode_1   pacing   lead channel_ra   setting   idc   mdc	730241
MDC_IDC.SET_LEADCHNL_RA_PACING_ANODE_ELECTRODE_2	anode electrode_2   pacing   lead channel_ra   setting   idc   mdc	730242
MDC_IDC.SET_LEADCHNL_RA_PACING_ANODE_ELECTRODE_3	anode electrode_3   pacing   lead channel_ra   setting   idc   mdc	730243
MDC_IDC.SET_LEADCHNL_RV_PACING_ANODE_ELECTRODE	anode electrode   pacing   lead channel_rv   setting   idc   mdc	730244
MDC_IDC.SET_LEADCHNL_RV_PACING_ANODE_ELECTRODE_1	anode electrode_1   pacing   lead channel_rv   setting   idc   mdc	730245
MDC_IDC.SET_LEADCHNL_RV_PACING_ANODE_ELECTRODE_2	anode electrode_2   pacing   lead channel_rv   setting   idc   mdc	730246
MDC_IDC.SET_LEADCHNL_RV_PACING_ANODE_ELECTRODE_3	anode electrode_3   pacing   lead channel_rv   setting   idc   mdc	730247
MDC_IDC.SET_LEADCHNL_LA_PACING_ANODE_ELECTRODE	anode electrode   pacing   lead channel_la   setting   idc   mdc	730248
MDC_IDC.SET_LEADCHNL_LA_PACING_ANODE_ELECTRODE_1	anode electrode_1   pacing   lead channel_la   setting   idc   mdc	730249
MDC_IDC.SET_LEADCHNL_LA_PACING_ANODE_ELECTRODE_2	anode electrode_2   pacing   lead channel_la   setting   idc   mdc	730250
MDC_IDC.SET_LEADCHNL_LA_PACING_ANODE_ELECTRODE_3	anode electrode_3   pacing   lead channel_la   setting   idc   mdc	730251
MDC_IDC.SET_LEADCHNL_LV_PACING_ANODE_ELECTRODE	anode electrode   pacing   lead channel_lv   setting   idc   mdc	730252
MDC_IDC.SET_LEADCHNL_LV_PACING_ANODE_ELECTRODE_1	anode electrode_1   pacing   lead channel_lv   setting   idc   mdc	730253
MDC_IDC.SET_LEADCHNL_LV_PACING_ANODE_ELECTRODE_2	anode electrode_2   pacing   lead channel_lv   setting   idc   mdc	730254

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NORMATIVE		Code
Reference ID	Systematic name	
MDC_IDC.SET_LEADCHNL_LV_PACING_ANODE_ELECTRODE_3	anode electrode_3   pacing   lead channel_lv   setting   idc   mdc	730255
MDC_IDC.SET_LEADCHNL_MIXED_PACING_ANODE_ELECTRODE	anode electrode   pacing   lead channel_mixed   setting   idc   mdc	730256
MDC_IDC.SET_LEADCHNL_MIXED_PACING_ANODE_ELECTRODE_1	anode electrode_1   pacing   lead channel_mixed   setting   idc   mdc	730257
MDC_IDC.SET_LEADCHNL_MIXED_PACING_ANODE_ELECTRODE_2	anode electrode_2   pacing   lead channel_mixed   setting   idc   mdc	730258
MDC_IDC.SET_LEADCHNL_MIXED_PACING_ANODE_ELECTRODE_3	anode electrode_3   pacing   lead channel_mixed   setting   idc   mdc	730259
MDC_IDC.SET_LEADCHNL_RA_PACING_CATHODE_LOCATION	cathode location   pacing   lead channel_ra   setting   idc   mdc	730304
MDC_IDC.SET_LEADCHNL_RA_PACING_CATHODE_LOCATION_1	cathode location_1   pacing   lead channel_ra   setting   idc   mdc	730305
MDC_IDC.SET_LEADCHNL_RA_PACING_CATHODE_LOCATION_2	cathode location_2   pacing   lead channel_ra   setting   idc   mdc	730306
MDC_IDC.SET_LEADCHNL_RA_PACING_CATHODE_LOCATION_3	cathode location_3   pacing   lead channel_ra   setting   idc   mdc	730307
MDC_IDC.SET_LEADCHNL_RV_PACING_CATHODE_LOCATION	cathode location   pacing   lead channel_rv   setting   idc   mdc	730308
MDC_IDC.SET_LEADCHNL_RV_PACING_CATHODE_LOCATION_1	cathode location_1   pacing   lead channel_rv   setting   idc   mdc	730309
MDC_IDC.SET_LEADCHNL_RV_PACING_CATHODE_LOCATION_2	cathode location_2   pacing   lead channel_rv   setting   idc   mdc	730310
MDC_IDC.SET_LEADCHNL_RV_PACING_CATHODE_LOCATION_3	cathode location_3   pacing   lead channel_rv   setting   idc   mdc	730311
MDC_IDC.SET_LEADCHNL_LA_PACING_CATHODE_LOCATION	cathode location   pacing   lead channel_la   setting   idc   mdc	730312
MDC_IDC.SET_LEADCHNL_LA_PACING_CATHODE_LOCATION_1	cathode location_1   pacing   lead channel_la   setting   idc   mdc	730313
MDC_IDC.SET_LEADCHNL_LA_PACING_CATHODE_LOCATION_2	cathode location_2   pacing   lead channel_la   setting   idc   mdc	730314
MDC_IDC.SET_LEADCHNL_LA_PACING_CATHODE_LOCATION_3	cathode location_3   pacing   lead channel_la   setting   idc   mdc	730315
MDC_IDC.SET_LEADCHNL_LV_PACING_CATHODE_LOCATION	cathode location   pacing   lead channel_lv   setting   idc   mdc	730316
MDC_IDC.SET_LEADCHNL_LV_PACING_CATHODE_LOCATION_1	cathode location_1   pacing   lead channel_lv   setting   idc   mdc	730317
MDC_IDC.SET_LEADCHNL_LV_PACING_CATHODE_LOCATION_2	cathode location_2   pacing   lead channel_lv   setting   idc   mdc	730318
MDC_IDC.SET_LEADCHNL_LV_PACING_CATHODE_LOCATION_3	cathode location_3   pacing   lead channel_lv   setting   idc   mdc	730319
MDC_IDC.SET_LEADCHNL_MIXED_PACING_CATHODE_LOCATION	cathode location   pacing   lead channel_mixed   setting   idc   mdc	730320
MDC_IDC.SET_LEADCHNL_MIXED_PACING_CATHODE_LOCATION_1	cathode location_1   pacing   lead channel_mixed   setting   idc   mdc	730321
MDC_IDC.SET_LEADCHNL_MIXED_PACING_CATHODE_LOCATION_2	cathode location_2   pacing   lead channel_mixed   setting   idc   mdc	730322
MDC_IDC.SET_LEADCHNL_MIXED_PACING_CATHODE_LOCATION_3	cathode location_3   pacing   lead channel_mixed   setting   idc   mdc	730323
MDC_IDC.SET_LEADCHNL_RA_PACING_CATHODE_ELECTRODE	cathode electrode   pacing   lead channel_ra   setting   idc   mdc	730368
MDC_IDC.SET_LEADCHNL_RA_PACING_CATHODE_ELECTRODE_1	cathode electrode_1   pacing   lead channel_ra   setting   idc   mdc	730369
MDC_IDC.SET_LEADCHNL_RA_PACING_CATHODE_ELECTRODE_2	cathode electrode_2   pacing   lead channel_ra   setting   idc   mdc	730370
MDC_IDC.SET_LEADCHNL_RA_PACING_CATHODE_ELECTRODE_3	cathode electrode_3   pacing   lead channel_ra   setting   idc   mdc	730371
MDC_IDC.SET_LEADCHNL_RV_PACING_CATHODE_ELECTRODE	cathode electrode   pacing   lead channel_rv   setting   idc   mdc	730372
MDC_IDC.SET_LEADCHNL_RV_PACING_CATHODE_ELECTRODE_1	cathode electrode_1   pacing   lead channel_rv   setting   idc   mdc	730373
MDC_IDC.SET_LEADCHNL_RV_PACING_CATHODE_ELECTRODE_2	cathode electrode_2   pacing   lead channel_rv   setting   idc   mdc	730374
MDC_IDC.SET_LEADCHNL_RV_PACING_CATHODE_ELECTRODE_3	cathode electrode_3   pacing   lead channel_rv   setting   idc   mdc	730375
MDC_IDC.SET_LEADCHNL_LA_PACING_CATHODE_ELECTRODE	cathode electrode   pacing   lead channel_la   setting   idc   mdc	730376
MDC_IDC.SET_LEADCHNL_LA_PACING_CATHODE_ELECTRODE_1	cathode electrode_1   pacing   lead channel_la   setting   idc   mdc	730377
MDC_IDC.SET_LEADCHNL_LA_PACING_CATHODE_ELECTRODE_2	cathode electrode_2   pacing   lead channel_la   setting   idc   mdc	730378
MDC_IDC.SET_LEADCHNL_LA_PACING_CATHODE_ELECTRODE_3	cathode electrode_3   pacing   lead channel_la   setting   idc   mdc	730379
MDC_IDC.SET_LEADCHNL_LV_PACING_CATHODE_ELECTRODE	cathode electrode   pacing   lead channel_lv   setting   idc   mdc	730380
MDC_IDC.SET_LEADCHNL_LV_PACING_CATHODE_ELECTRODE_1	cathode electrode_1   pacing   lead channel_lv   setting   idc   mdc	730381
MDC_IDC.SET_LEADCHNL_LV_PACING_CATHODE_ELECTRODE_2	cathode electrode_2   pacing   lead channel_lv   setting   idc   mdc	730382

Table C.1—Expanded terms

NORMATIVE		Code
Reference ID	Systematic name	
MDC_IDC.SET_LEADCHNL_LV_PACING_CATHODE_ELECTRODE_3	cathode electrode_3   pacing   lead channel_lv   setting   idc   mdc	730383
MDC_IDC.SET_LEADCHNL_MIXED_PACING_CATHODE_ELECTRODE	cathode electrode   pacing   lead channel_mixed   setting   idc   mdc	730384
MDC_IDC.SET_LEADCHNL_MIXED_PACING_CATHODE_ELECTRODE_1	cathode electrode_1   pacing   lead channel_mixed   setting   idc   mdc	730385
MDC_IDC.SET_LEADCHNL_MIXED_PACING_CATHODE_ELECTRODE_2	cathode electrode_2   pacing   lead channel_mixed   setting   idc   mdc	730386
MDC_IDC.SET_LEADCHNL_MIXED_PACING_CATHODE_ELECTRODE_3	cathode electrode_3   pacing   lead channel_mixed   setting   idc   mdc	730387
MDC_IDC.SET_LEADCHNL_RA_PACING_CAPTURE_MODE	capture mode   pacing   lead channel_ra   setting   idc   mdc	730432
MDC_IDC.SET_LEADCHNL_RV_PACING_CAPTURE_MODE	capture mode   pacing   lead channel_rv   setting   idc   mdc	730433
MDC_IDC.SET_LEADCHNL_LA_PACING_CAPTURE_MODE	capture mode   pacing   lead channel_la   setting   idc   mdc	730434
MDC_IDC.SET_LEADCHNL_LV_PACING_CAPTURE_MODE	capture mode   pacing   lead channel_lv   setting   idc   mdc	730435
MDC_IDC.SET_LEADCHNL_MIXED_PACING_CAPTURE_MODE	capture mode   pacing   lead channel_mixed   setting   idc   mdc	730436
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_ANODE_LOCATION	anode location   vector   shock   lead high-voltage channel   setting   idc   mdc	730496
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_ANODE_LOCATION_1	anode location_1   vector   shock   lead high-voltage channel   setting   idc   mdc	730497
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_ANODE_LOCATION_2	anode location_2   vector   shock   lead high-voltage channel   setting   idc   mdc	730498
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_ANODE_LOCATION_3	anode location_3   vector   shock   lead high-voltage channel   setting   idc   mdc	730499
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_ANODE_ELECTRODE	anode electrode   vector   shock   lead high-voltage channel   setting   idc   mdc	730560
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_ANODE_ELECTRODE_1	anode electrode_1   vector   shock   lead high-voltage channel   setting   idc   mdc	730561
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_ANODE_ELECTRODE_2	anode electrode_2   vector   shock   lead high-voltage channel   setting   idc   mdc	730562
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_ANODE_ELECTRODE_3	anode electrode_3   vector   shock   lead high-voltage channel   setting   idc   mdc	730563
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_CATHODE_LOCATION	cathode location   vector   shock   lead high-voltage channel   setting   idc   mdc	730624
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_CATHODE_LOCATION_1	cathode location_1   vector   shock   lead high-voltage channel   setting   idc   mdc	730625
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_CATHODE_LOCATION_2	cathode location_2   vector   shock   lead high-voltage channel   setting   idc   mdc	730626
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_CATHODE_LOCATION_3	cathode location_3   vector   shock   lead high-voltage channel   setting   idc   mdc	730627
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_CATHODE_ELECTRODE	cathode electrode   vector   shock   lead high-voltage channel   setting   idc   mdc	730688
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_CATHODE_ELECTRODE_1	cathode electrode_1   vector   shock   lead high-voltage channel   setting   idc   mdc	730689
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_CATHODE_ELECTRODE_2	cathode electrode_2   vector   shock   lead high-voltage channel   setting   idc   mdc	730690
MDC_IDC.SET_LEADHVCHNL_SHOCK_VECTOR_CATHODE_ELECTRODE_3	cathode electrode_3   vector   shock   lead high-voltage channel   setting   idc   mdc	730691
MDC_IDC.SET_BRADY_MODE	mode   brady   setting   idc   mdc	730752
MDC_IDC.SET_BRADY_VENDOR_MODE	mode   brady   setting   idc   mdc	730816
MDC_IDC.SET_BRADY_LOWRATE	lowrate   brady   setting   idc   mdc	730880
MDC_IDC.SET_BRADY_HYSTRATE	hysttrate   brady   setting   idc   mdc	730944
MDC_IDC.SET_BRADY_NIGHT_RATE	night rate   brady   setting   idc   mdc	731008
MDC_IDC.SET_BRADY_SENSOR_TYPE	sensor type   brady   setting   idc   mdc	731072
MDC_IDC.SET_BRADY_MAX_TRACKING_RATE	maximum tracking rate   brady   setting   idc   mdc	731136
MDC_IDC.SET_BRADY_MAX_SENSOR_RATE	maximum sensor rate   brady   setting   idc   mdc	731200

Table C.1—Expanded terms

NORMATIVE		
Reference ID	Systematic name	Code
MDC_IDC.SET_BRADY_SAV_DELAY	sav delay   brady   setting   idc   mdc	731264
MDC_IDC.SET_BRADY_SAV_DELAY_HIGH	sav delay_high   brady   setting   idc   mdc	731265
MDC_IDC.SET_BRADY_SAV_DELAY_LOW	sav delay_low   brady   setting   idc   mdc	731266
MDC_IDC.SET_BRADY_PAV_DELAY	pav delay   brady   setting   idc   mdc	731328
MDC_IDC.SET_BRADY_PAV_DELAY_HIGH	pav delay_high   brady   setting   idc   mdc	731329
MDC_IDC.SET_BRADY_PAV_DELAY_LOW	pav delay_low   brady   setting   idc   mdc	731330
MDC_IDC.SET_BRADY_AT_MODE_SWITCH_MODE	atrial tachy mode switch mode   brady   setting   idc   mdc	731392
MDC_IDC.SET_BRADY_AT_MODE_SWITCH_RATE	atrial tachy mode switch rate   brady   setting   idc   mdc	731456
MDC_IDC.SET_TACHYTHERAPY_VSTAT	ventricular status   tachytherapy   setting   idc   mdc	731520
MDC_IDC.SET_TACHYTHERAPY_ASTAT	atrial status   tachytherapy   setting   idc   mdc	731584
MDC_IDC.SET_ZONE_TYPE	type   zone   setting   idc   mdc	731648
MDC_IDC.SET_ZONE_VENDOR_TYPE	vendor type   zone   setting   idc   mdc	731712
MDC_IDC.SET_ZONE_STATUS	status   zone   setting   idc   mdc	731776
MDC_IDC.SET_ZONE_DETECTION_INTERVAL	detection interval   zone   setting   idc   mdc	731840
MDC_IDC.SET_ZONE_DETECTION_BEATS_NUMERATOR	detection beats numerator   zone   setting   idc   mdc	731904
MDC_IDC.SET_ZONE_DETECTION_BEATS_DENOMINATOR	detection beats denominator   zone   setting   idc   mdc	731968
MDC_IDC.SET_ZONE_DETECTION_DETAILS	detection details   zone   setting   idc   mdc	732032
MDC_IDC.SET_ZONE_TYPE_ATP	type anti-tachycardia pacing pulse   zone   setting   idc   mdc	732096
MDC_IDC.SET_ZONE_TYPE_ATP_1	type anti-tachycardia pacing pulse_1   zone   setting   idc   mdc	732097
MDC_IDC.SET_ZONE_TYPE_ATP_2	type anti-tachycardia pacing pulse_2   zone   setting   idc   mdc	732098
MDC_IDC.SET_ZONE_TYPE_ATP_3	type anti-tachycardia pacing pulse_3   zone   setting   idc   mdc	732099
MDC_IDC.SET_ZONE_TYPE_ATP_4	type anti-tachycardia pacing pulse_4   zone   setting   idc   mdc	732100
MDC_IDC.SET_ZONE_TYPE_ATP_5	type anti-tachycardia pacing pulse_5   zone   setting   idc   mdc	732101
MDC_IDC.SET_ZONE_TYPE_ATP_6	type anti-tachycardia pacing pulse_6   zone   setting   idc   mdc	732102
MDC_IDC.SET_ZONE_TYPE_ATP_7	type anti-tachycardia pacing pulse_7   zone   setting   idc   mdc	732103
MDC_IDC.SET_ZONE_TYPE_ATP_8	type anti-tachycardia pacing pulse_8   zone   setting   idc   mdc	732104
MDC_IDC.SET_ZONE_TYPE_ATP_9	type anti-tachycardia pacing pulse_9   zone   setting   idc   mdc	732105
MDC_IDC.SET_ZONE_TYPE_ATP_10	type anti-tachycardia pacing pulse_10   zone   setting   idc   mdc	732106
MDC_IDC.SET_ZONE_NUM_ATP_SEQS	number of anti-tachycardia pacing pulse sequences   zone   setting   idc   mdc	732160
MDC_IDC.SET_ZONE_NUM_ATP_SEQS_1	number of anti-tachycardia pacing pulse sequences_1   zone   setting   idc   mdc	732161
MDC_IDC.SET_ZONE_NUM_ATP_SEQS_2	number of anti-tachycardia pacing pulse sequences_2   zone   setting   idc   mdc	732162
MDC_IDC.SET_ZONE_NUM_ATP_SEQS_3	number of anti-tachycardia pacing pulse sequences_3   zone   setting   idc   mdc	732163
MDC_IDC.SET_ZONE_NUM_ATP_SEQS_4	number of anti-tachycardia pacing pulse sequences_4   zone   setting   idc   mdc	732164
MDC_IDC.SET_ZONE_NUM_ATP_SEQS_5	number of anti-tachycardia pacing pulse sequences_5   zone   setting   idc   mdc	732165
MDC_IDC.SET_ZONE_NUM_ATP_SEQS_6	number of anti-tachycardia pacing pulse sequences_6   zone   setting   idc   mdc	732166
MDC_IDC.SET_ZONE_NUM_ATP_SEQS_7	number of anti-tachycardia pacing pulse sequences_7   zone   setting   idc   mdc	732167
MDC_IDC.SET_ZONE_NUM_ATP_SEQS_8	number of anti-tachycardia pacing pulse sequences_8   zone   setting   idc   mdc	732168
MDC_IDC.SET_ZONE_NUM_ATP_SEQS_9	number of anti-tachycardia pacing pulse sequences_9   zone   setting   idc   mdc	732169
MDC_IDC.SET_ZONE_NUM_ATP_SEQS_10	number of anti-tachycardia pacing pulse sequences_10   zone   setting   idc   mdc	732170
MDC_IDC.SET_ZONE_SHOCK_ENERGY	shock energy   zone   setting   idc   mdc	732224

Table C.1—Expanded terms

Reference ID	Systematic name	Code
MDC_IDC.SET_ZONE_SHOCK_ENERGY_1	shock energy_1   zone   setting   idc   mdc	732225
MDC_IDC.SET_ZONE_SHOCK_ENERGY_2	shock energy_2   zone   setting   idc   mdc	732226
MDC_IDC.SET_ZONE_SHOCK_ENERGY_3	shock energy_3   zone   setting   idc   mdc	732227
MDC_IDC.SET_ZONE_SHOCK_ENERGY_4	shock energy_4   zone   setting   idc   mdc	732228
MDC_IDC.SET_ZONE_SHOCK_ENERGY_5	shock energy_5   zone   setting   idc   mdc	732229
MDC_IDC.SET_ZONE_SHOCK_ENERGY_6	shock energy_6   zone   setting   idc   mdc	732230
MDC_IDC.SET_ZONE_SHOCK_ENERGY_7	shock energy_7   zone   setting   idc   mdc	732231
MDC_IDC.SET_ZONE_SHOCK_ENERGY_8	shock energy_8   zone   setting   idc   mdc	732232
MDC_IDC.SET_ZONE_SHOCK_ENERGY_9	shock energy_9   zone   setting   idc   mdc	732233
MDC_IDC.SET_ZONE_SHOCK_ENERGY_10	shock energy_10   zone   setting   idc   mdc	732234
MDC_IDC.SET_ZONE_NUM_SHOCKS	number of shocks   zone   setting   idc   mdc	732288
MDC_IDC.SET_ZONE_NUM_SHOCKS_1	number of shocks_1   zone   setting   idc   mdc	732289
MDC_IDC.SET_ZONE_NUM_SHOCKS_2	number of shocks_2   zone   setting   idc   mdc	732290
MDC_IDC.SET_ZONE_NUM_SHOCKS_3	number of shocks_3   zone   setting   idc   mdc	732291
MDC_IDC.SET_ZONE_NUM_SHOCKS_4	number of shocks_4   zone   setting   idc   mdc	732292
MDC_IDC.SET_ZONE_NUM_SHOCKS_5	number of shocks_5   zone   setting   idc   mdc	732293
MDC_IDC.SET_ZONE_NUM_SHOCKS_6	number of shocks_6   zone   setting   idc   mdc	732294
MDC_IDC.SET_ZONE_NUM_SHOCKS_7	number of shocks_7   zone   setting   idc   mdc	732295
MDC_IDC.SET_ZONE_NUM_SHOCKS_8	number of shocks_8   zone   setting   idc   mdc	732296
MDC_IDC.SET_ZONE_NUM_SHOCKS_9	number of shocks_9   zone   setting   idc   mdc	732297
MDC_IDC.SET_ZONE_NUM_SHOCKS_10	number of shocks_10   zone   setting   idc   mdc	732298
MDC_IDC.STAT_DTM	date   time   statistic   idc   mdc	737488
MDC_IDC.STAT_DTM_START	date   time   start   statistic   idc   mdc	737489
MDC_IDC.STAT_DTM_END	date   time   end   statistic   idc   mdc	737490
MDC_IDC.STAT_HEART_RATE_DTM	date   time   heart rate   statistic   idc   mdc	737616
MDC_IDC.STAT_HEART_RATE_DTM_START	date   time   start   heart rate   statistic   idc   mdc	737617
MDC_IDC.STAT_HEART_RATE_DTM_END	date   time   end   heart rate   statistic   idc   mdc	737618
MDC_IDC.STAT_HEART_RATE_ATRIAL	atrial   heart rate   statistic   idc   mdc	737632
MDC_IDC.STAT_HEART_RATE_ATRIAL_MAX	atrial_max   heart rate   statistic   idc   mdc	737633
MDC_IDC.STAT_HEART_RATE_ATRIAL_MIN	atrial_min   heart rate   statistic   idc   mdc	737634
MDC_IDC.STAT_HEART_RATE_ATRIAL_MEAN	atrial_mean   heart rate   statistic   idc   mdc	737635
MDC_IDC.STAT_HEART_RATE_VENTRICULAR	ventricular   heart rate   statistic   idc   mdc	737648
MDC_IDC.STAT_HEART_RATE_VENTRICULAR_MAX	ventricular_max   heart rate   statistic   idc   mdc	737649
MDC_IDC.STAT_HEART_RATE_VENTRICULAR_MIN	ventricular_min   heart rate   statistic   idc   mdc	737650
MDC_IDC.STAT_HEART_RATE_VENTRICULAR_MEAN	ventricular_mean   heart rate   statistic   idc   mdc	737651
MDC_IDC.STAT_BRADY_DTM	date   time   brady   statistic   idc   mdc	737504
MDC_IDC.STAT_BRADY_DTM_START	date   time   start   brady   statistic   idc   mdc	737505
MDC_IDC.STAT_BRADY_DTM_END	date   time   end   brady   statistic   idc   mdc	737506
MDC_IDC.STAT_BRADY_RA_PERCENT_PACED	right atrial percent paced   brady   statistic   idc   mdc	737520
MDC_IDC.STAT_BRADY_RV_PERCENT_PACED	right ventricle percent paced   brady   statistic   idc   mdc	737536

Table C.1—Expanded terms

NORMATIVE		Code
Reference ID	Systematic name	
MDC_IDC_STAT_BRADY_AP_VP_PERCENT	ap-vp percent   brady   statistic   idc   mdc	737552
MDC_IDC_STAT_BRADY_AS_VP_PERCENT	as-vp percent   brady   statistic   idc   mdc	737568
MDC_IDC_STAT_BRADY_AP_VS_PERCENT	ap-vs percent   brady   statistic   idc   mdc	737584
MDC_IDC_STAT_BRADY_AS_VS_PERCENT	as-vs percent   brady   statistic   idc   mdc	737600
MDC_IDC_STAT_AT_DTM	date time   atrial tachy   statistic   idc   mdc	737664
MDC_IDC_STAT_AT_DTM_START	date time_start   atrial tachy   statistic   idc   mdc	737665
MDC_IDC_STAT_AT_DTM_END	date time_end   atrial tachy   statistic   idc   mdc	737666
MDC_IDC_STAT_AT_MODE_SW_MAX_DURATION	mode switch maximum duration   atrial tachy   statistic   idc   mdc	737680
MDC_IDC_STAT_AT_BURDEN_PERCENT	burden percent   atrial tachy   statistic   idc   mdc	737696
MDC_IDC_STAT_AT_MODE_SW_PERCENT_TIME	mode switch percent of time   atrial tachy   statistic   idc   mdc	737712
MDC_IDC_STAT_AT_MODE_SW_PERCENT_TIME_PER_DAY	mode switch percent of time per day   atrial tachy   statistic   idc   mdc	737728
MDC_IDC_STAT_AT_MODE_SW_COUNT	mode switch count   atrial tachy   statistic   idc   mdc	737744
MDC_IDC_STAT_AT_MODE_SW_COUNT_PER_DAY	mode switch count per day   atrial tachy   statistic   idc   mdc	737760
MDC_IDC_STAT_CRT_DTM	date time   cardiac resynchronization therapy   statistic   idc   mdc	737776
MDC_IDC_STAT_CRT_DTM_START	date time_start   cardiac resynchronization therapy   statistic   idc   mdc	737777
MDC_IDC_STAT_CRT_DTM_END	date time_end   cardiac resynchronization therapy   statistic   idc   mdc	737778
MDC_IDC_STAT_CRT_LV_PERCENT_PACED	left ventricle percent paced   cardiac resynchronization therapy   statistic   idc   mdc	737792
MDC_IDC_STAT_CRT_PERCENT_PACED	percent paced   cardiac resynchronization therapy   statistic   idc   mdc	737808
MDC_IDC_STAT_TACHYTHERAPY_SHOCKS_DELIVERED_RECENT	recent shocks delivered   tachy therapy   statistic   idc   mdc	737824
MDC_IDC_STAT_TACHYTHERAPY_SHOCKS_DELIVERED_TOTAL	total shocks delivered   tachy therapy   statistic   idc   mdc	737840
MDC_IDC_STAT_TACHYTHERAPY_SHOCKS_ABORTED_RECENT	recent shocks aborted   tachy therapy   statistic   idc   mdc	737856
MDC_IDC_STAT_TACHYTHERAPY_SHOCKS_ABORTED_TOTAL	total shocks aborted   tachy therapy   statistic   idc   mdc	737872
MDC_IDC_STAT_TACHYTHERAPY_ATP_DELIVERED_RECENT	recent anti-tachycardia pacing delivered   tachy therapy   statistic   idc   mdc	737888
MDC_IDC_STAT_TACHYTHERAPY_ATP_DELIVERED_TOTAL	total anti-tachycardia pacing delivered   tachy therapy   statistic   idc   mdc	737904
MDC_IDC_STAT_TACHYTHERAPY_TOTAL_DTM	date time   total   tachy therapy   statistic   idc   mdc	737920
MDC_IDC_STAT_TACHYTHERAPY_TOTAL_DTM_START	date time_start   total   tachy therapy   statistic   idc   mdc	737921
MDC_IDC_STAT_TACHYTHERAPY_TOTAL_DTM_END	date time_end   total   tachy therapy   statistic   idc   mdc	737922
MDC_IDC_STAT_TACHYTHERAPY_RECENT_DTM	date time   recent   tachy therapy   statistic   idc   mdc	737936
MDC_IDC_STAT_TACHYTHERAPY_RECENT_DTM_START	date time_start   recent   tachy therapy   statistic   idc   mdc	737937
MDC_IDC_STAT_TACHYTHERAPY_RECENT_DTM_END	date time_end   recent   tachy therapy   statistic   idc   mdc	737938
MDC_IDC_STAT_EPISODE_TYPE	type   episode   statistic   idc   mdc	737952
MDC_IDC_STAT_EPISODE_TYPE_INDUCED	type induced   episode   statistic   idc   mdc	737968
MDC_IDC_STAT_EPISODE_VENDOR_TYPE	vendor type   episode   statistic   idc   mdc	737984
MDC_IDC_STAT_EPISODE_RECENT_COUNT	recent count   episode   statistic   idc   mdc	738000
MDC_IDC_STAT_EPISODE_RECENT_COUNT_DTM	date time   recent   episode   statistic   idc   mdc	738016
MDC_IDC_STAT_EPISODE_RECENT_COUNT_DTM_START	date time_start   recent   episode   statistic   idc   mdc	738017
MDC_IDC_STAT_EPISODE_RECENT_COUNT_DTM_END	date time_end   recent   episode   statistic   idc   mdc	738018
MDC_IDC_STAT_EPISODE_TOTAL_COUNT	total count   episode   statistic   idc   mdc	738032
MDC_IDC_STAT_EPISODE_TOTAL_COUNT_DTM	date time   total   episode   statistic   idc   mdc	738048

Table C.1—Expanded terms

NORMATIVE		
Reference ID	Systematic name	Code
MDC_IDC_STAT_EPISODE_TOTAL_COUNT_DTM_START	date time_start   total   episode   statistic   idc   mdc	738049
MDC_IDC_STAT_EPISODE_TOTAL_COUNT_DTM_END	date time_end   total   episode   statistic   idc   mdc	738050
MDC_IDC_EPISODE_ID	identifier   episode   idc   mdc	739536
MDC_IDC_EPISODE_DTM	date time   episode   idc   mdc	739552
MDC_IDC_EPISODE_TYPE	type   episode   idc   mdc	739568
MDC_IDC_EPISODE_TYPE_INDUCED	type induced   episode   idc   mdc	739584
MDC_IDC_EPISODE_VENDOR_TYPE	vendor.type   episode   idc   mdc	739600
MDC_IDC_EPISODE_ATRIAL_INTERVAL_AT_DETECTION	atrial interval at detection   episode   idc   mdc	739616
MDC_IDC_EPISODE_ATRIAL_INTERVAL_AT_TERMINATION	atrial interval at termination   episode   idc   mdc	739632
MDC_IDC_EPISODE_VENTRICULAR_INTERVAL_AT_DETECTION	ventricular interval at detection   episode   idc   mdc	739648
MDC_IDC_EPISODE_VENTRICULAR_INTERVAL_AT_TERMINATION	ventricular interval at termination   episode   idc   mdc	739664
MDC_IDC_EPISODE_DETECTION_THERAPY_DETAILS	detection therapy details   episode   idc   mdc	739680
MDC_IDC_EPISODE_THERAPY_RESULT	therapy result   episode   idc   mdc	739696
MDC_IDC_EPISODE_DURATION	duration   episode   idc   mdc	739712

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## Annex D

(normative)

### Enumerations

#### D.1 Overview

An enumeration is a restrictive set of values provided for an enumerated term. There are two types of enumerations: enumerations common to the domain and vendor-specific enumerations. Vendor-specific enumerations are informative. Enumerations considered common to the domain are normative. This annex presents the normative enumerations with enumerator root, enumeration code, display name, and definition attributes (Table D.1).

#### D.2 Enumeration attributes

##### D.2.1 Enumerator identifier

The enumerator identifier is a text identifier that references a set of term enumerations. Base terms that are enumerated have an associated enumerator identifier (see Annex A).

##### D.2.2 Enumeration code

A numeric token that uniquely identifies each enumeration of the nomenclature.

##### D.2.3 Display name

The display name is a text phrase that describes the enumeration and is suited for presenting enumerations on a report or user interface.

##### D.2.4 Definition

The definition is a formal statement that describes the meaning or semantic of the enumeration.

D.3 Enumerations

Table D.1—Enumerations

Enumerator identifier	Enumeration code (mnemonic)	Display name	Definition	Version	Code
MDC_IDC_ENUM_DEV_TYPE	JPG	Pacemaker	A battery-powered implantable device that uses low-voltage pulses to stimulate the heart when it is beating too slow.	1.0.0	753665
	ICD	Defibrillator	A battery-powered implantable device that uses high-voltage energy to shock the heart when it is beating too fast and mostly includes pacemaker functionality.	1.0.0	753666
	CRT_D	Cardiac Resynchronization Therapy - Defibrillator	A battery-powered implantable device that uses low-voltage pulses to stimulate the ventricles of the heart in multiple locations to increase blood pumping efficiency and also includes pacemaker and defibrillator functionality.	1.0.0	753667
	CRT_P	Cardiac Resynchronization Therapy - Pacemaker	A battery-powered implantable device that uses low-voltage pulses to stimulate the ventricles of the heart in multiple locations to increase blood pumping efficiency and also includes pacemaker functionality.	1.0.0	753668
	Monitor	Implantable Diagnostic Monitor	A battery-powered implantable device that monitors and records cardiac activity and does not deliver any therapy.	1.0.0	753669
	Other	Other	A device type other than those included in the nomenclature.	1.0.0	753670
MDC_IDC_ENUM_MFG	ANGN	Angeion Corp.	A manufacturer name.	1.0.0	753729
	APC	American Pacemaker Corp.	A manufacturer name.	1.0.0	753730
	BIO	Biotronik	A manufacturer name.	1.0.0	753731
	BSX	Boston Scientific	A manufacturer name.	1.0.0	753732
	CCS	Cardiac Control Systems	A manufacturer name.	1.0.0	753733
	CIM	Cardiac Impulse	A manufacturer name.	1.0.0	753734
	CPM	Cardio-Pace Medical	A manufacturer name.	1.0.0	753735
	CKP	Cook Pacemaker Corp.	A manufacturer name.	1.0.0	753736
	CATM	Coratomic Inc.	A manufacturer name.	1.0.0	753737
	COR	Cordis	A manufacturer name.	1.0.0	753738

Table D.1—Enumerations

Enumerator identifier	Enumeration code (mnemonic)	Display name	Definition	Version	Code
	ELA	ELA Medical	A manufacturer name.	1.0.0	753739
	GDT	Guidant	A manufacturer name.	1.0.0	753740
	IMC	Intermedics	A manufacturer name.	1.0.0	753741
	IMT	Implantronik	A manufacturer name.	1.0.0	753742
	MCO	Medico	A manufacturer name.	1.0.0	753743
	MDT	Medtronic	A manufacturer name.	1.0.0	753744
	OSC	Oscor	A manufacturer name.	1.0.0	753745
	OSY	Osyoka	A manufacturer name.	1.0.0	753746
	PCS	Pacesetter	A manufacturer name.	1.0.0	753747
	SIE	Siemens	A manufacturer name.	1.0.0	753748
	SOM	Somedics	A manufacturer name.	1.0.0	753749
	SOR	Sorin	A manufacturer name.	1.0.0	753750
	STJ	St. Jude Medical	A manufacturer name.	1.0.0	753751
	STO	Stoecert	A manufacturer name.	1.0.0	753752
	TEL	Teletronics	A manufacturer name.	1.0.0	753753
	VEN	Ventritex	A manufacturer name.	1.0.0	753754
	VIT	Vitatron	A manufacturer name.	1.0.0	753755
	Other	Other	A manufacturer other than that contained in the current nomenclature.	1.0.0	753756
<b>MDC_IDC_ENUM_LEAD_POLARITY_TYPE</b>	UNI	Unipolar Lead	A lead with a single electrode.	1.0.0	753793
	BI	Bipolar Lead	A lead with two electrodes.	1.0.0	753794
	TRI	Tripolar Lead	A lead with three electrodes.	1.0.0	753795
	QUAD	Quadrupolar Lead	A lead with four electrodes.	1.0.0	753796
	MULTI	Multipolar Lead	A lead with more than four electrodes.	1.0.0	753797
	Unknown	Unknown	An indicator showing that polarity type is unknown for the lead.	1.0.0	753798
<b>MDC_IDC_ENUM_LEAD_LOCATION_CHAMBER</b>	LA	Left Atrium	The left atrium of the heart.	1.0.0	753857
	LV	Left Ventricle	The left ventricle of the heart.	1.0.0	753858
	RA	Right Atrium	The right atrium of the heart.	1.0.0	753859
	RV	Right Ventricle	The right ventricle of the heart.	1.0.0	753860
	OTHER	Other	A location other than the heart chambers.	1.0.0	753861

Table D.1—Enumerations

Enumerator identifier	Enumeration code (mnemonic)	Display name	Definition	Version	Code
	Unknown	Unknown	An indicator showing that the lead location is unknown for the lead.	1.0.0	753862
MDC_IDC_ENUM_LEAD_LOCATION_DETAIL	Anterior	Anterior	The front of the heart or further descriptor of the cardiac veins.	1.0.0	753921
	Apex	Apex	The highest or lowest physical location in a heart chamber.	1.0.0	753922
	Appendage	Appendage	A muscular pouch in the left atrium of the heart.	1.0.0	753923
	Cardiac Vein	Cardiac Vein	The cardiac vein of the heart.	1.0.0	753924
	VenaCava	Vena Cava	The vena cava of the heart.	1.0.0	753925
	CoronarySinus	Coronary Sinus	A specific cardiac vein of the heart.	1.0.0	753926
	Distal	Distal	A location furthest from a specified reference.	1.0.0	753927
	Epicardial	Epicardial	The outside surface of the heart.	1.0.0	753928
	FreeWall	Free Wall	A further detail for a location within the heart.	1.0.0	753929
	Great	Great	A further descriptor of the cardiac veins.	1.0.0	753930
	High	High	A further descriptor for a location within the heart.	1.0.0	753931
	Lateral	Lateral	A further descriptor for a location within the heart.	1.0.0	753932
	Left	Left	A further descriptor for a location within the heart.	1.0.0	753933
	Low	Low	A further descriptor for a location within the heart.	1.0.0	753934
	Marginal	Marginal	A further descriptor for a location within the heart.	1.0.0	753935
	Middle	Middle	A further descriptor for a location within the heart.	1.0.0	753936
	Myocardial	Myocardial	The muscle tissue of the heart.	1.0.0	753937
	OutflowTract	Outflow Tract	The part of the left ventricle where the blood exits through the pulmonary artery.	1.0.0	753938
	Posterior	Posterior	The back of the heart or further descriptor of the cardiac veins.	1.0.0	753939
	Proximal	Proximal	A location nearest to a specified reference.	1.0.0	753940
	Right	Right	A further descriptor for a location within the heart.	1.0.0	753941
	Septum	Septum	The walls that separate the chambers of the heart.	1.0.0	753942
	Subclavian	Subclavian	A major artery connected to the heart.	1.0.0	753943
	Subcutaneous	Subcutaneous	A location under the skin.	1.0.0	753944
	Superior	Superior	A specific cardiac vein of the heart.	1.0.0	753945

Table D.1—Enumerations

Enumerator identifier	Enumeration code (mnemonic)	Display name	Definition	Version	Code
	HISbundle	HIS bundle	The electrical fibers in the heart, inside the septum between the left and right ventricles.	1.0.0	753946
	Other	Other	A location other than that which is contained in current nomenclature.	1.0.0	753947
	Unknown	Unknown	An indicator showing that the lead location detail is unknown for the lead.	1.0.0	753948
MDC_IDC_ENUM_LEAD_STATUS	Connected	Connected	An indicator that a cardiac lead is functional and in use.	1.0.0	753985
	Abandoned	Abandoned	An indicator that a cardiac lead is nonfunctional and not in use.	1.0.0	753986
MDC_IDC_ENUM_SESS_TYPE	Implant	Implant	An indicator that the data was acquired at the time of the surgical implant.	1.0.0	754049
	InClinic	In Clinic	An indicator that the data was acquired when the patient was in a hospital or clinic.	1.0.0	754050
	Remote	Remote	An indicator that the data was acquired while the patient was outside a hospital or clinic.	1.0.0	754051
	RemoteDeviceInitiated	Remote Device Initiated	An indicator that the data was acquired while the patient was outside a hospital or clinic using transmission equipment and because of a condition the device detected.	1.0.0	754052
	RemoteSchedule	Remote Scheduled	An indicator that the data was acquired while the patient was outside a hospital or clinic using transmission equipment and at a time that was planned in advance.	1.0.0	754053
	RemotePatientInitiated	Remote Patient Initiated	An indicator that the data was acquired while the patient was outside a hospital or clinic using transmission equipment and because of an action by the patient at a time that was not planned in advance.	1.0.0	754054
	Other	Other	An interrogation session type not currently defined within the nomenclature.	1.0.0	754055
	Unknown	Unknown	An indicator showing that the session type is unknown for the interrogation session.	1.0.0	754056
MDC_IDC_ENUM_BATTERY_STATUS	BOS	Beginning of Service	The device battery is at the beginning of its service.	1.0.0	754113
	EOS	End of Service	The device battery is depleted.	1.0.0	754114
	RRT	Recommended Replacement Time	An indicator that the device should be replaced.	1.0.0	754115

Table D.1—Enumerations

Enumerator identifier	Enumeration code (mnemonic)	Display name	Definition	Version	Code
	MOS	Middle of Service	The device battery is in use but not depleted or nearing depletion.	1.0.0	754116
	Unknown	Unknown	An indicator showing that the battery status is unknown for the battery.	1.0.0	754117
<b>MDC_IDC_ENUM_CHARGE_TYPE</b>	Shock	Shock	The measurement was made when the capacitor was being charged for the purpose of delivering a high-voltage shock.	1.0.0	754177
	Reformation	Reformation	The measurement was made when the capacitor was being charged for routine maintenance not involving shock delivery.	1.0.0	754178
	Unknown	Unknown	An indicator showing that the charge type is unknown for the charge.	1.0.0	754179
<b>MDC_IDC_ENUM_CHANNEL_STATUS</b>	CheckLead	Check Lead	A notification that the lead appears to be not functioning properly per the device vendor-specific criterion.	1.0.0	754241
	Null	Null	The absence of a lead status notification.	1.0.0	754242
<b>MDC_IDC_ENUM_POLARITY</b>	UNI	Unipolar	The lead measurement or setting is between one lead electrode and the device can.	1.0.0	754305
	BI	Bipolar	The lead measurement or setting is between two lead electrodes.	1.0.0	754306
	Unknown	Unknown	An indicator showing that the polarity is unknown for the electrode.	1.0.0	754307
<b>MDC_IDC_ENUM_MEASUREMENT_METHOD</b>	ProgrammerManual	Programmer Manual	A manual measurement made using a programmer. The measurement was made by a clinician programming different device values and noting when changes were observed.	1.0.0	754369
	ProgrammerAutomatic	Programmer Automatic	The measurement was made by a clinician using an automatic routine within the programmer.	1.0.0	754370
	DeviceAutomatic	Device Automatic	The measurement was made by an automatic routine within the device.	1.0.0	754371
	Unknown	Unknown	An indicator showing that the measurement method is unknown.	1.0.0	754372
<b>MDC_IDC_ENUM_HVCHNL_MEASUREMENT_TYPE</b>	LowVoltage	Low Voltage Pulse	The measurement was made using voltage levels associated with a cardiac pacing pulses or tower.	1.0.0	754433

Table D.1—Enumerations

Enumerator identifier	Enumeration code (mnemonic)	Display name	Definition	Version	Code
	Shock	Shock	The measurement was made using high-voltage energy during delivery of a shock.	1.0.0	754434
	Unknown	Unknown	An indicator showing that the measurement type is unknown for the high-voltage channel measurement.	1.0.0	754435
<b>MDC_IDC_ENUM_ELECTRODE_LOCATION</b>	RA	Right Atrium	The right atrium of the heart.	1.0.0	754497
	RV	Right Ventricle	The right ventricle of the heart.	1.0.0	754498
	LA	Left Atrium	The left atrium of the heart.	1.0.0	754499
	LV	Left Ventricle	The left ventricle of the heart.	1.0.0	754500
	SVC	Superior Vena Cava	The superior vena cava.	1.0.0	754501
	Other	Other	Other location.	1.0.0	754502
	Unknown	Unknown	An indicator showing that the location is unknown for the electrode.	1.0.0	754503
<b>MDC_IDC_ENUM_ELECTRODE_NAME</b>	Tip	Tip	A tip electrode of the lead.	1.0.0	754561
	Ring	Ring	A ring electrode of the lead.	1.0.0	754562
	Ring1	Ring1	The first ring electrode of a multielectrode lead relative to the distal end of the lead.	1.0.0	754563
	Ring2	Ring2	The second ring electrode of a multielectrode lead relative to the distal end of the lead.	1.0.0	754564
	Ring3	Ring3	The third ring electrode of a multielectrode lead relative to the distal end of the lead.	1.0.0	754565
	Ring4	Ring4	The fourth ring electrode of a multielectrode lead relative to the distal end of the lead.	1.0.0	754566
	Coil	Coil	A coil electrode of the lead.	1.0.0	754567
	SubQPatch	Subcutaneous Patch	A subcutaneous patch electrode.	1.0.0	754568
	Can	Can	The housing electrode of the device.	1.0.0	754569
	Other1	Other1	Other electrode 1.	1.0.0	754570
	Other2	Other2	Other electrode 2.	1.0.0	754571
	Other3	Other3	Other electrode 3.	1.0.0	754572
	Other4	Other4	Other electrode 4.	1.0.0	754573
	Other5	Other5	Other electrode 5.	1.0.0	754574
	Other6	Other6	Other electrode 6.	1.0.0	754575
	Other7	Other7	Other electrode 7.	1.0.0	754576

Table D.1—Enumerations

Enumerator identifier	Enumeration code (mnemonic)	Display name	Definition	Version	Code
	Other8	Other8	Other electrode 8.	1.0.0	754577
	Other9	Other9	Other electrode 9.	1.0.0	754578
	Other10	Other10	Other electrode 10.	1.0.0	754579
	Unknown	Unknown	An indicator showing that the type is unknown for the electrode.	1.0.0	754580
MDC_IDC_ENUM_SENSING_ADAPTATION_MODE	AdaptiveSensing	Adaptive	The sensing threshold changes automatically.	1.0.0	754625
	FixedSensing	Fixed	The sensing threshold is fixed.	1.0.0	754626
MDC_IDC_ENUM_PACING_CAPTURE_MODE	AdaptiveCapture	Adaptive	The pacing stimulus changes automatically to maintain capture.	1.0.0	754689
	FixedPacing	Fixed Pacing	The pacing stimulus is fixed.	1.0.0	754690
	MonitorCapture	Monitor	The device measures the stimulus threshold for cardiac pacing but does not automatically change the stimulus.	1.0.0	754691
	Other	Other	A capture mode other than those included in the nomenclature.	1.0.0	754692
MDC_IDC_ENUM_BRADY_MODE	AAI	AAI	The pacing mode per the NBG standard.	1.0.0	754753
	AAIR	AAIR	The pacing mode per the NBG standard.	1.0.0	754754
	AAT	AAT	The pacing mode per the NBG standard.	1.0.0	754755
	AATR	AATR	The pacing mode per the NBG standard.	1.0.0	754756
	AOO	AOO	The pacing mode per the NBG standard.	1.0.0	754757
	AOOR	AOOR	The pacing mode per the NBG standard.	1.0.0	754758
	DAD	DAD	The pacing mode per the NBG standard.	1.0.0	754759
	DDD	DDD	The pacing mode per the NBG standard.	1.0.0	754760
	DDDR	DDDR	The pacing mode per the NBG standard.	1.0.0	754761
	DDI	DDI	The pacing mode per the NBG standard.	1.0.0	754762
	DDIR	DDIR	The pacing mode per the NBG standard.	1.0.0	754763
	DOO	DOO	The pacing mode per the NBG standard.	1.0.0	754764
	DOOR	DOOR	The pacing mode per the NBG standard.	1.0.0	754765
	DVI	DVI	The pacing mode per the NBG standard.	1.0.0	754766
	DVIR	DVIR	The pacing mode per the NBG standard.	1.0.0	754767
	VAT	VAT	The pacing mode per the NBG standard.	1.0.0	754768
	VDD	VDD	The pacing mode per the NBG standard.	1.0.0	754769
	VDDR	VDDR	The pacing mode per the NBG standard.	1.0.0	754770

Table D.1—Enumerations

Enumerator identifier	Enumeration code (mnemonic)	Display name	Definition	Version	Code
	VOO	VOO	The pacing mode per the NBG standard.	1.0.0	754771
	VOOR	VOOR	The pacing mode per the NBG standard.	1.0.0	754772
	VVI	VVI	The pacing mode per the NBG standard.	1.0.0	754773
	VVIR	VVIR	The pacing mode per the NBG standard.	1.0.0	754774
	VVT	VVT	The pacing mode per the NBG standard.	1.0.0	754775
	OOO	OOO	The pacing mode per the NBG standard.	1.0.0	754776
	OOOR	OOOR	The pacing mode per the NBG standard.	1.0.0	754777
	VDI	VDI	The pacing mode per the NBG standard.	1.0.0	754778
	VDIR	VDIR	The pacing mode per the NBG standard.	1.0.0	754779
	ODO	ODO	The pacing mode per the NBG standard.	1.0.0	754780
	VVTR	VVTR	The pacing mode per the NBG standard.	1.0.0	754781
	DDTR	DDTR	The pacing mode per the NBG standard.	1.0.0	754782
	OVO	OVO	The pacing mode per the NBG standard.	1.0.0	754783
	DVTR	DVTR	The pacing mode per the NBG standard.	1.0.0	754784
	DDT	DDT	The pacing mode per the NBG standard.	1.0.0	754785
	VDTR	VDTR	The pacing mode per the NBG standard.	1.0.0	754786
	VDT	VDT	The pacing mode per the NBG standard.	1.0.0	754787
	ADIR	ADIR	The pacing mode per the NBG standard.	1.0.0	754788
	ADI	ADI	The pacing mode per the NBG standard.	1.0.0	754789
	Unknown	Unknown	An indicator showing that the brady mode is unknown for the brady device.	1.0.0	754790
	On	On	An indicator showing that tachy therapies are ON.	1.0.0	754817
	Off	Off	An indicator showing that tachy therapies are OFF.	1.0.0	754818
	Unknown	Unknown	An indicator showing that the tachy therapy status is unknown for the tachy device.	1.0.0	754819
	Epis_VF	VF	An episode type of ventricular fibrillation.	1.0.0	754881
	Epis_VT	VT	An episode type of ventricular tachycardia.	1.0.0	754882
	Epis_ATAF	AT/AF	An episode type of atrial tachyarrhythmia without being specific about it being fibrillation, flutter, or tachycardia.	1.0.0	754883
	Epis_SVT	SVT	An episode type of supraventricular tachycardia.	1.0.0	754884
	Epis_Monitor	Monitor	An episode type that is only being observed.	1.0.0	754885

Table D.1—Enumerations

Enumerator identifier	Enumeration code (mnemonic)	Display name	Definition	Version	Code
	Epis_PeriodicEGM	Periodic EGM	An episode type that is being observed periodically.	1.0.0	754886
	Epis_PatientActivated	Patient Activated	An episode type that is triggered by the patient.	1.0.0	754887
	Epis_Other	Other	An episode that is not included in the enumerations.	1.0.0	754888
<b>MDC_IDC_ENUM_ZONE_TYPE</b>	Zone_VF	VF	An zone type of ventricular fibrillation.	1.0.0	754945
	Zone_VT	VT	An zone type of ventricular tachycardia.	1.0.0	754946
	Zone_ATAF	AT/AF	An zone type of atrial tachyarrhythmia without being specific about it being fibrillation, flutter, or tachycardia.	1.0.0	754947
	Zone_Other	Other	Indicates a selection other than any in the list of selections.	1.0.0	754948
<b>MDC_IDC_ENUM_ZONE_STATUS</b>	Active	Active	An indicator showing that tachyarrhythmia detection and therapy is on for the designated chamber.	1.0.0	755009
	Inactive	Inactive	An indicator showing that tachyarrhythmia detection and therapy is off for the designated chamber.	1.0.0	755010
	Monitor	Monitor	An indicator showing that tachyarrhythmia detection is on but therapy is off for the designated chamber.	1.0.0	755011
	Unknown	Unknown	An indicator showing that tachyarrhythmia detection and therapy is unknown for the designated chamber.	1.0.0	755012
<b>MDC_IDC_ENUM_ATP_TYPE</b>	Burst	Burst	A tachyarrhythmia therapy that uses pacing stimulus at a fixed pacing rate for a specific number of pulses.	1.0.0	755073
	Ramp	Ramp	A tachyarrhythmia therapy that uses pacing stimulus at a pacing rate that increases or decreases.	1.0.0	755074
	BurstScan	Burst+Scan	A tachyarrhythmia therapy that uses pacing stimulus at a fixed pacing rate with the time between ATP pulses being reduced with each subsequent burst.	1.0.0	755075
	RampScan	Ramp+Scan	A tachyarrhythmia therapy that uses pacing stimulus at a pacing rate with the time between ATP pulses being reduced with each subsequent burst.	1.0.0	755076
	Other	Other	Indicates a selection other than any in the list of selections.	1.0.0	755077
	Unknown	Unknown	An indicator showing that ATP type is unknown for the ATP pulses.	1.0.0	755078

Table D.1—Enumerations

Enumerator identifier	Enumeration code (mnemonic)	Display name	Definition	Version	Code
MDC_IDC_ENUM_EPISODE_THERAPY_RESULT	Successful	Successful	An indicator that shows the specific therapy was successful in terminating the tachyarrhythmia.	1.0.0	755137
	Unsuccessful	Unsuccessful	An indicator that shows the specific therapy was not successful in terminating the tachyarrhythmia.	1.0.0	755138
	Unknown	Unknown	An indicator that shows the results of the specific therapy was unknown.	1.0.0	755139
MDC_IDC_ENUM_SESS_REPROGRAMMED	YES	YES	An indicator that shows the device was reprogrammed during the last session.	1.0.0	755201
	NO	NO	An indicator that shows the device was not reprogrammed during the last session.	1.0.0	755202
	Unknown	Unknown	An indicator that shows that device reprogramming is unknown.	1.0.0	755203
MDC_IDC_ENUM_CRT_PACED_CHAMBERS	RV_Only	RVOnly	An indicator that shows that only the RV chamber is being paced for resynchronization.	1.0.0	755265
	LV_Only	LVOnly	An indicator that shows that only the LV chamber is being paced for resynchronization.	1.0.0	755266
	BiV	BiV	An indicator that shows that both the RV and LV chamber are being paced for resynchronization.	1.0.0	755267
	Unknown	Unknown	An indicator showing that CRT paced chambers are unknown for the CRT device.	1.0.0	755268
MDC_IDC_ENUM_EPISODE_TYPE_INDUCED	YES	YES	An indicator that shows that the episode was induced.	1.0.0	755329
	NO	NO	An indicator that shows that the episode was not induced.	1.0.0	755330
	Unknown	Unknown	An indicator showing that whether the episode was induced or not unknown for the recorded episode.	1.0.0	755331

## Annex E

(informative)

### Vendor enumerations

#### E.1 Overview

An enumeration is a restrictive set of values provided for an enumerated term. There are two types of enumerations: enumerations common to the domain and vendor-specific enumerations. Vendor-specific enumerations are informative. Enumerations considered common to the domain are normative. This annex presents the informative vendor enumerations with enumerator root, enumeration code, display name, and definition attributes (Table E.1 through Table E.5).

#### E.2 Enumeration attributes

##### E.2.1 Enumerator identifier

The enumerator identifier is a text identifier that references a set of term enumerations. Base terms that are enumerated have an associated enumerator identifier (see Annex A).

##### E.2.2 Enumeration code

A numeric token that uniquely identifies each enumeration of the nomenclature.

##### E.2.3 Display name

The display name is a text phrase that describes the enumeration and is suited for presenting enumerations on a report or user interface.

##### E.2.4 Definition

The definition is a formal statement that describes the meaning or semantic of the enumeration.

### E.3 Vendor enumerations

#### E.3.1 Enumerations Biotronik

Table E.1—Enumerations Biotronik

INFORMATIVE					
Enumerator identifier	Enumeration codes (mnemonic)	Display name	Definition	Version	Code
MDC_IDC_ENUM_EPISODE_VENDOR_TYPE	BIO-Epis_VF	VF	An episode of ventricular fibrillation (BIOTRONIK).	1.0.0	770049
	BIO-Epis_VT	VT	An episode of ventricular tachycardia (BIOTRONIK).	1.0.0	770050
	BIO-Epis_VT1	VT1	An episode VT1 of ventricular tachycardia (BIOTRONIK).	1.0.0	770051
	BIO-Epis_VT2	VT2	An episode VT2 of ventricular tachycardia (BIOTRONIK).	1.0.0	770052
	BIO-Epis_NSVT	NSVT	An episode of a nonsustained ventricular tachycardia (BIOTRONIK).	1.0.0	770053
	BIO-Epis_SVT	SVT	An episode of supraventricular tachycardia (BIOTRONIK).	1.0.0	770054
	BIO-Epis_ATAF	AT/AF	An episode of atrial tachyarrhythmia without being specific about it being fibrillation, flutter, or tachycardia (BIOTRONIK).	1.0.0	770055
	BIO-Epis_AFlut	AFlut	An episode of atrial flutter (BIOTRONIK).	1.0.0	770056
	BIO-Epis_AFib	AFib	An episode of atrial fibrillation (BIOTRONIK).	1.0.0	770057
	BIO-Epis_AT	AT	An episode of atrial tachycardia (BIOTRONIK).	1.0.0	770058
	BIO-Epis_ModeSw	ModeSw	An episode of mode switching (BIOTRONIK).	1.0.0	770059
	BIO-Epis_AMon	Atr. Mon	An atrial monitoring episode (BIOTRONIK).	1.0.0	770060
	BIO-Epis_VMon	Ven. Mon	A ventricular monitoring episode (BIOTRONIK).	1.0.0	770061
	BIO-Epis_HVR	High Ven. Rate	An episode of high ventricular rate (BIOTRONIK).	1.0.0	770062
	BIO-Epis_HAR	High Atr. Rate	An episode of high atrial rate (BIOTRONIK).	1.0.0	770063
	BIO-Epis_HR	High Rate	An episode of high rate (BIOTRONIK).	1.0.0	770064
	BIO-Epis_PMT	PMT	An episode of pacemaker mediated tachycardia (BIOTRONIK).	1.0.0	770065
	BIO-Epis_PIEGM	Periodic IEGM	A periodic IEGM (BIOTRONIK).	1.0.0	770066
	BIO-Epis_PAT	Pat. Triggered	A patient triggered IEGM (BIOTRONIK).	1.0.0	770067

**Table E.1—Enumerations Biotronik**

INFORMATIVE					
Enumerator identifier	Enumeration codes (mnemonic)	Display name	Definition	Version	Code
<b>MDC_IDC_ENUM_ZONE_VENDOR_TYPE</b>	BIO-Zone_VF	VF	The ventricular fibrillation zone (BIOTRONIK).	1.0.0	770113
	BIO-Zone_VT	VT	The ventricular tachycardia zone (BIOTRONIK).	1.0.0	770114
	BIO-Zone_VT1	VT1	The ventricular tachycardia zone 1 (BIOTRONIK).	1.0.0	770115
	BIO-Zone_VT2	VT2	The ventricular tachycardia zone 2 (BIOTRONIK).	1.0.0	770116
	BIO-Zone_SVT	SVT	The supraventricular tachycardia zone (BIOTRONIK).	1.0.0	770117
	BIO-Zone_ATAF	AT/AF	The atrial tachycardia / atrial fibrillation zone (BIOTRONIK).	1.0.0	770118
	BIO-Zone_AFflut	AFflut	The atrial flutter zone (BIOTRONIK).	1.0.0	770119
	BIO-Zone_AFib	AFib	The atrial fibrillation zone (BIOTRONIK).	1.0.0	770120
	BIO-Zone_AT	AT	The atrial tachycardia zone (BIOTRONIK).	1.0.0	770121
	BIO-Zone_ModeSw	ModeSw	The mode switching zone (BIOTRONIK).	1.0.0	770122
	BIO-Zone_AMon	Atr. Mon	The atrial monitoring zone (BIOTRONIK).	1.0.0	770123
	BIO-Zone_VMon	Ven. Mon	The ventricular monitoring zone (BIOTRONIK).	1.0.0	770124
	BIO-Zone_HVR	High Ven. Rate	The high ventricular rate zone (BIOTRONIK).	1.0.0	770125
	BIO-Zone_HAR	High Atr. Rate	The high atrial rate zone (BIOTRONIK).	1.0.0	770126
	BIO-Zone_HR	High Rate	The high rate zone (BIOTRONIK).	1.0.0	770127

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## E.3.2 Enumerations Boston Scientific

Table E.2—Enumerations Boston Scientific

INFORMATIVE					
Enumerator identifier	Enumeration codes (mnemonic)	Display name	Definition	Version	Code
<b>MDC_IDC_ENUM_EPISODE_VENDOR_TYPE</b>	BSX-Epis_VF	VF	A Boston Scientific episode subclassification of ventricular fibrillation.	1.0.0	771073
	BSX-Epis_VT	VT	A Boston Scientific episode subclassification of ventricular tachycardia.	1.0.0	771074
	BSX-Epis_VT-1	VT-1	A Boston Scientific episode subclassification of fast ventricular tachycardia.	1.0.0	771075
	BSX-Epis_SVT	SVT	A Boston Scientific episode subclassification of supraventricular tachycardia.	1.0.0	771076
	BSX-Epis_NSVT	NSVT	A Boston Scientific episode subclassification of nonsustained ventricular tachycardia.	1.0.0	771077
	BSX-Epis_ATR	ATR	A Boston Scientific episode subclassification of atrial tachycardia response.	1.0.0	771078
	BSX-Epis_PMT	PMT	A Boston Scientific episode subclassification of pacemaker mediated tachycardia.	1.0.0	771079
	BSX-Epis_PTM	PTM	A Boston Scientific episode subclassification of triggered monitor.	1.0.0	771080
	BSX-Epis_Afib	Afib	A Boston Scientific episode subclassification of atrial fibrillation.	1.0.0	771081
	BSX-Epis_AF	AF	A Boston Scientific episode subclassification of atrial fibrillation.	1.0.0	771082
	BSX-Epis_AT	AT	A Boston Scientific episode subclassification of atrial tachycardia.	1.0.0	771083
	BSX-Epis_RMS	RMS	A Boston Scientific episode subclassification of reverse mode switch episode.	1.0.0	771084
	BSX-Epis_APMRT	APMRT	A Boston Scientific episode subclassification of	1.0.0	771085
<b>MDC_IDC_ENUM_ZONE_VENDOR_TYPE</b>	BSX-Zone_VT	VT	A Boston Scientific zone subclassification of ventricular tachycardia.	1.0.0	771137
	BSX-Zone_VT-1	VT-1	A Boston Scientific zone subclassification of fast ventricular tachycardia.	1.0.0	771138

**Table E.2—Enumerations Boston Scientific**

INFORMATIVE				
Enumerator identifier	Enumeration codes (mnemonic)	Display name	Definition	Code
	BSX-Zone_VF	VF	A Boston Scientific zone subclassification of fast ventricular fibrillation.	771139
	BSX-Zone_SVT	SVT	A Boston Scientific zone subclassification of supraventricular tachycardia.	771140
	BSX-Zone_Afib	Afib	A Boston Scientific zone subclassification of atrial fibrillation.	771141
	BSX-Zone_AF	AF	A Boston Scientific zone subclassification of atrial fibrillation.	771142
	BSX-Zone_AT	AT	A Boston Scientific zone subclassification of atrial tachycardia.	771143

**E.3.3 Enumerations Medtronic**

**Table E.3—Enumerations Medtronic**

INFORMATIVE				
Enumerator identifier	Enumeration codes (mnemonic)	Display name	Definition	Code
MDC_IDC_ENUM_EPISODE_VENDOR_TYPE	MDT-Epis_VF	VF	A Medtronic episode subclassification of ventricular fibrillation.	772097
	MDT-Epis_VT	VT	A Medtronic episode subclassification of ventricular tachyarrhythmia.	772098
	MDT-Epis_Fast_VT	Fast VT	A Medtronic episode subclassification of fast ventricular tachyarrhythmia.	772099
	MDT-Epis_AT_AF	AT AF	A Medtronic episode subclassification of atrial tachyarrhythmia without being specific about it being fibrillation, flutter, or tachycardia.	772100

Table E.3—Enumerations Medtronic

INFORMATIVE					
Enumerator identifier	Enumeration codes [Mnemonic]	Display name	Definition	Version	Code
	MDT- Epis_Fast_AT_AF	Fast AT AF	A Medtronic episode subclassification of fast atrial tachyarrhythmia without being specific about it being fibrillation, flutter, or tachycardia.	1.0.0	772101
	MDT- Epis_SVT	SVT	A Medtronic episode subclassification of supraventricular tachycardia.	1.0.0	772102
	MDT- Epis_NS_VT	NSVT	A Medtronic episode subclassification of non-sustained ventricular tachycardia.	1.0.0	772103
	MDT- Epis_Periodic_EGM	Periodic EGM	A Medtronic episode subclassification of periodic EGM recording.	1.0.0	772104
	MDT- Epis_Rate_Drop	Rate Drop	A Medtronic episode subclassification of sudden drop in heart rate.	1.0.0	772105
	MDT- Epis_V_Sensing	V Sensing	A Medtronic episode subclassification of ventricular sensing resulting in inhibition of ventricular pacing therapy.	1.0.0	772106
	MDT- Epis_HR	High Rate	A Medtronic episode subclassification of high heart rate without designation of being atrial or ventricular.	1.0.0	772107
	MDT- Epis_VHR	V High Rate	A Medtronic episode subclassification of high ventricular rate.	1.0.0	772108
	MDT- Epis_AHR	A High Rate	A Medtronic episode subclassification of high atrial rate.	1.0.0	772109
	MDT- Zone_VF	VF	A Medtronic zone subclassification of ventricular fibrillation.	1.0.0	772161
	MDT- Zone_VT	VT	A Medtronic zone subclassification of ventricular tachyarrhythmia.	1.0.0	772162
	MDT- Zone_FastVT	FastVT	A Medtronic zone subclassification of fast ventricular tachyarrhythmia.	1.0.0	772163
	MDT- Zone_FastATAF	FastATAF	A Medtronic zone subclassification of fast atrial tachyarrhythmia without being specific about it being fibrillation, flutter, or tachycardia.	1.0.0	772164
	MDT- Zone_MonVT	MonVT	A Medtronic zone subclassification of ventricular tachycardia that is only being monitored with no therapy being delivered.	1.0.0	772165
<b>MDC_IDC_ENUM_ZONE_VENDOR_TYPE</b>					

**Table E.3—Enumerations Medtronic**

INFORMATIVE				
Enumerator identifier	Enumeration codes [mnemonic]	Display name	Definition	Code
	MDT-Zone_MonATAF	MonATAF	A Medtronic zone subclassification of atrial tachyarrhythmia without being specific about it being fibrillation, flutter, or tachycardia, which is being monitored with no therapy being delivered.	772166
	MDT-Zone_HR	High Rate	A Medtronic zone subclassification of high heart rate without designation of being atrial or ventricular.	772167
	MDT-Zone_VHR	V High Rate	A Medtronic zone subclassification of high ventricular rate.	772168
	MDT-Zone_AHR	A High Rate	A Medtronic zone subclassification of high atrial rate.	772169

**E.3.4 Enumerations Sorin**

**Table E.4—Enumerations Sorin**

INFORMATIVE				
Enumerator root	Enumeration codes (mnemonic)	Display name	Definition	Code
MDC_IDC_ENUM_EPISODE_VENDOR_TYPE	SOR-Epis_VF	VF	Episode of ventricular fibrillation (Sorin).	774145
	SOR-Epis_FastVT	FastVT	Episode of fast ventricular tachycardia (Sorin).	774146
	SOR-Epis_VT	VT	Episode of ventricular tachycardia (Sorin).	774147
	SOR-Epis_SlowVT	SlowVT	Episode of slow ventricular tachycardia (Sorin).	774148
	SOR-Epis_SVT	SVT	Episode of supraventricular tachycardia (Sorin).	774149
	SOR-Epis_SVTVT	SVT-VT	Episode of treated supraventricular tachycardia (Sorin).	774150
	SOR-Epis_SVTST	SVT-ST	Episode of nontreated supraventricular tachycardia (Sorin).	774151
	SOR-Epis_ModeSwitch	Mode Switch	Episode of mode switching (Sorin).	774152
	SOR-Epis_NST	Non Sustained	Episode of a non-sustained ventricular tachycardia (Sorin).	774153

Table E.4—Enumerations Sorin

INFORMATIVE					
Enumerator root	Enumeration codes (mnemonic)	Display name	Definition	Version	Code
	SOR-Epis_ABurst	A Burst	Episode of an atrial burst (Sorin).	1.0.0	774154
	SOR-Epis_VBurst	V Burst	Episode of a ventricular burst (Sorin).	1.0.0	774155
	SOR-Epis_AVBI	AVB I	Episode of atrio-ventricular block I in SafeR mode (Sorin).	1.0.0	774156
	SOR-Epis_AVBII	AVB II	Episode of atrio-ventricular block II in SafeR mode (Sorin).	1.0.0	774157
	SOR-Epis_AVBIII	AVB III	Episode of atrio-ventricular block III in SafeR mode (Sorin).	1.0.0	774158
	SOR-Epis_Pause	Pause	Episode of pause in SafeR mode (Sorin).	1.0.0	774159
	SOR-Epis_Security	Security	Episode of AVB in security windows in SafeR mode (Sorin).	1.0.0	774160
	SOR-Epis_PMT	PMT	Episode of PMT detection (Sorin).	1.0.0	774161
	SOR-Epis_Impedance	Impedance	Episode of impedance variation between two impedance tests (Sorin).	1.0.0	774162
	SOR-Epis_VCapture	V Capture	Episode of threshold variation between two automatic threshold tests (Sorin).	1.0.0	774163
	SOR-Epis_FU	Follow-up	Episode during of follow-up (Sorin).	1.0.0	774164
<b>MDC_IDC_ENUM_ZONE_VENDOR_TYPE</b>	SOR-Zone_VF	VF	The ventricular fibrillation zone (Sorin).	1.0.0	774209
	SOR-Zone_FastVT	FastVT	The fast ventricular tachycardia zone (Sorin).	1.0.0	774210
	SOR-Zone_VT	VT	The ventricular tachycardia zone (Sorin).	1.0.0	774211
	SOR-Zone_SlowVT	SlowVT	The slow ventricular tachycardia zone (Sorin).	1.0.0	774212

E.3.5 Enumerations St. Jude Medical

Table E.5—Enumerations St. Jude Medical

INFORMATIVE					
Enumerator root	Enumeration codes (mnemonic)	Display name	Definition	Version	Code
MDC_IDC_ENUM_EPISODE_VENDOR_TYPE	STJ-Epis_VF	VF	A St. Jude Medical episode subclassification of ventricular fibrillation.	1.0.0	773121
	STJ-Epis_VT	VT	A St. Jude Medical episode subclassification of ventricular tachyarrhythmia.	1.0.0	773122
	STJ-Epis_SVT	SVT	A St. Jude Medical episode subclassification of supraventricular tachycardia.	1.0.0	773123
	STJ-Epis_VT1	VT1	A St. Jude Medical episode subclassification of the slowest tachycardia.	1.0.0	773124
	STJ-Epis_VT2	VT2	A St. Jude Medical episode subclassification of the faster tachycardia.	1.0.0	773125
	STJ-Epis_AT_AF	AT/AF	A St. Jude Medical episode subclassification of atrial tachyarrhythmia without being specific about it being fibrillation, flutter, or tachycardia.	1.0.0	773126
	STJ-Epis_AMS	AMS	A St. Jude Medical episode subclassification of auto mode switch.	1.0.0	773127
	STJ-Epis_NoiseReversion	Noise Reversion	A St. Jude Medical episode subclassification of noise reversion.	1.0.0	773128
	STJ-Epis_PMTTermination	PMT Termination	A St. Jude Medical episode subclassification of pacemaker mediated tachycardia termination.	1.0.0	773129
	STJ-Epis_MagnetResp.	Magnet Response	A St. Jude Medical episode subclassification of magnet response.	1.0.0	773130
	STJ-Epis_EmergencyShock	Emergency Shock	A St. Jude Medical episode subclassification of emergency shock.	1.0.0	773131
	STJ-Epis_MorphTemplate	Morphology Template	A St. Jude Medical episode subclassification of morphology template update.	1.0.0	773132
	STJ-Epis_ReturnToSinus	Return to Sinus	A St. Jude Medical episode subclassification of Return to Sinus condition.	1.0.0	773133
	STJ-Epis_HighVRate	High V-Rate	A St. Jude Medical episode subclassification of high ventricular rate.	1.0.0	773134

Table E.5—Enumerations St. Jude Medical

INFORMATIVE					
Enumerator root	Enumeration codes (mnemonic)	Display name	Definition	Version	Code
	STJ-Epis_HighARate	High A-Rate	A St. Jude Medical episode subclassification of high atrial rate.	1.0.0	773135
	STJ-Epis_AMSEntry	AMS Entry	A St. Jude Medical episode subclassification of entry into auto-mode switch.	1.0.0	773136
	STJ-Epis_AMSExit	AMS Exit	A St. Jude Medical episode subclassification of exit from auto-mode switch.	1.0.0	773137
	STJ-Epis_AdvHysteresis	Advanced Hysteresis	A St. Jude Medical episode subclassification of morphology template update.	1.0.0	773138
	STJ-Epis_ConsecutivePVCs	Consecutive PVCs	A St. Jude Medical episode subclassification of consecutive premature ventricular contractions.	1.0.0	773139
	STJ-Epis_LossOfCapture	Loss of Capture	A St. Jude Medical episode subclassification of loss of capture.	1.0.0	773140
	STJ-Epis_CannotDetermineSummary	Cannot Determine Summary	A St. Jude-Medical episode subclassification with no episode summary.	1.0.0	773141
	STJ-Epis_VTTimeout	VT Timeout	A St. Jude-Medical episode subclassification with ventricular tachycardia timeout.	1.0.0	773142
	STJ-Epis_SVT_VTTimeout	SVT/VT Timeout	A St. Jude-Medical episode subclassification with either supraventricular tachycardia or ventricular tachycardia timeout.	1.0.0	773143
	STJ-Epis_SVTTimeout	SVT Timeout	A St. Jude-Medical episode subclassification of induced episode for device-based testing.	1.0.0	773144
	STJ-Epis_DBT	DBT	A St. Jude Medical episode subclassification of DBT.	1.0.0	773145
	STJ-Epis_Non-sustained VT	Non-sustained VT	A St. Jude Medical episode subclassification of nonsustained VT.	1.0.0	773146
	STJ-Epis_VF_RVLeadNoise	RV Lead noise - VF	A St. Jude Medical episode subclassification of lead noise seen as VF.	1.0.0	773147
	STJ-Epis_VT_RVLeadNoise	RV Lead noise - VT	A St. Jude Medical episode subclassification of lead noise seen as VT.	1.0.0	773148
	STJ-Epis_VT1_RVLeadNoise	RV Lead noise - VT1	A St. Jude Medical episode subclassification of lead noise seen as VT1.	1.0.0	773149

Table E.5—Enumerations St. Jude Medical

INFORMATIVE					
Enumerator root	Enumeration codes (mnemonic)	Display name	Definition	Version	Code
	STJ-Epis_VT2_RVLeadNoise	RV Lead noise - VT2	A St. Jude Medical episode subclassification of lead noise seen as VT2.	1.0.0	773150
	STJ-Epis_VF_SecureSenseTimeout	Secure Sense - VF	A St. Jude Medical episode subclassification of secure sense seen as VF.	1.0.0	773151
	STJ-Epis_VT_SecureSenseTimeout	Secure Sense Timeout - VT	A St. Jude Medical episode subclassification of secure sense seen as VT.	1.0.0	773152
	STJ-Epis_VT1_SecureSenseTimeout	Secure Sense Timeout - VT1	A St. Jude Medical episode subclassification of secure sense seen as VT1.	1.0.0	773153
	STJ-Epis_VT2_SecureSenseTimeout	Secure Sense Timeout - VT2	A St. Jude Medical episode subclassification of secure sense seen as VT2.	1.0.0	773154
	STJ-Epis_SVT_RVLeadNoise	Lead Noise - SVT	A St. Jude Medical episode subclassification of lead noise seen as SVT.	1.0.0	773155
	STJ-Epis_SVTTimeout_RVLeadNoise	Lead Noise - SVT Timeout	A St. Jude Medical episode subclassification of lead noise seen as SVT timeout.	1.0.0	773156
	STJ-Epis_Non-sustained_RVLeadNoise	Lead Noise - Non-Sustained	A St. Jude Medical episode subclassification of lead noise seen as nonsustained VT.	1.0.0	773157
	STJ-Epis_RVLeadNoise	RV Lead Noise	A St. Jude Medical episode subclassification of RV lead noise.	1.0.0	773158
	STJ-Epis_SecureSenseTimeout	Secure Sense Timeout	A St. Jude Medical episode subclassification of secure sense timeout.	1.0.0	773159
MDC_IDC_ENUM_ZONE_VENDOR_TYPE	STJ-Zone_VF	VF	A St. Jude Medical zone subclassification of ventricular fibrillation.	1.0.0	773185
	STJ-Zone_VT	VT	A St. Jude Medical zone subclassification of ventricular tachyarrhythmia.	1.0.0	773186
	STJ-Zone_SVT	SVT	A St. Jude Medical zone subclassification of supraventricular tachycardia.	1.0.0	773187

**Table E.5—Enumerations St. Jude Medical**

INFORMATIVE					
Enumerator root	Enumeration codes (mnemonic)	Display name	Definition	Version	Code
	STJ-Zone_VT1	VT1	A St. Jude Medical zone subclassification of the slowest tachycardia.	1.0.0	773188
	STJ-Zone_VT2	VT2	A St. Jude Medical zone subclassification of the faster tachycardia.	1.0.0	773189
	STJ-Zone_AT_AF	AT/AF	A St. Jude Medical zone subclassification of atrial tachyarrhythmia without being specific about it being fibrillation, flutter, or tachycardia.	1.0.0	773190

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**Annex F**

(informative)

**Example report**

<b>Patient Name:</b>	Doe, John	--> IEEE 11073-10101
<b>Date of Birth:</b>	Jan 1, 1940	--> IEEE 11073-10101
<b>Gender:</b>	Male	--> IEEE 11073-10101

<b>Interrogation Date, Type:</b>	Oct 25, 2007 10:00 AM, Remote
<b>Previous Interrogation Date, Type, Program:</b>	Sep 25, 2007 10:00 AM, In-Clinic (Reprogrammed)
<b>Clinician Name, Clinic:</b>	Dr. Anderson, Main Heart Center New Jersey
<b>Clinician Contact:</b>	Phone: +1 12 345 6789, e-mail: follow-up-physician@clinic.org

**Device Demographics**

<b>Device Type:</b>	CRT-D
<b>Device Manufacturer:</b>	Manufacturer Name
<b>Device Model:</b>	Device Model Name
<b>Device Serial Number:</b>	5867463524
<b>Device Implant Date:</b>	May 1, 2005
<b>Device Implanter, Facility:</b>	Dr. Miller, Main Heart Center New York
<b>Device Implanter Contact:</b>	Phone: +1 12 345 6789

**Lead Demographics**

	<b>Lead 1</b>	<b>Lead 2</b>	<b>Lead 3</b>	—
<b>Lead Location Chamber:</b>	RA	RV	LV	
<b>Lead Location Detail:</b>	Appendage	Apex	Free wall	
<b>Lead Implant Date:</b>	05/01/2005	05/01/2005	05/01/2005	
<b>Lead Manufacturer:</b>	Vendor Name	Vendor Name	Vendor Name	
<b>Lead Model:</b>	SuperSense	SuperSense	SuperSense	
<b>Lead Serial Number:</b>	1234567812	1234567813	1234567814	
<b>Lead Polarity Type:</b>	Unipolar	Bipolar	Quadrupolar	
<b>Lead Connection Status:</b>	Connected	Connected	Connected	
<b>Lead Special Function:</b>	Pressure Sensor			

**STATUS / MEASUREMENTS**

<b>Battery</b>	08/25/2007	<b>Capacitor</b>	(most recent charging)
<b>Battery Status:</b>	MOS	<b>Charge Date:</b>	June 1, 2006 10:00 a.m.
<b>Battery Voltage:</b>	6.3 V	<b>Charge Time:</b>	8.1 s
<b>Battery Impedance:</b>	2500 Ohm	<b>Charge Energy:</b>	36 J
<b>Battery Remaining:</b>	75 % 4 years 11 months	<b>Charge Type:</b>	Reformation
<b>RRT (ERI) Trigger:</b>	Battery voltage < 5.7 V / Cap. Charge time > 12 s		

Lead Channel Measurements/Status	Observation date/time (interval):					
	08/24/2007 02:01 - 08/25/2007 02:01 (24 h)					
1) 08/21/2007 02:01 - 08/22/2007 02:01 (24 h)						
	<b>RA</b>		<b>RV</b>		<b>LV<sup>1)</sup></b>	
<b>Mean Intrinsic Amplitude:</b>	2.5 mV	(BP)	4.7 mV	(BP)	3.5 mV	(BP)
<b>Min Intrinsic Amplitude:</b>	2.2 mV	(BP)	4.0 mV	(BP)	2.2 mV	(BP)
<b>Impedance:</b>	500 Ω	(BP)	> 3000 Ω	(BP)	500 Ω	(BP)
<b>Pacing Threshold:</b>	0.7 V @ 0.5 ms	(BP)	0.6 V @ 0.5 ms	(UP)	0.6 V @ 0.5 ms	(BP)
			0.4 V @ 0.5 ms	(BP)		
<b>Threshold Measurement Method:</b>	Progr manual		Dev automatic		Progr automatic	
<b>Lead Channel Status:</b>	—		Check Lead		—	

Shock Lead Configuration and Measurement		
Cathode <sup>-</sup> – Anode <sup>+</sup>	Impedance, Date/Time, Measurement-Type	Status
RV Coil, RA Coil – Can	330 Ω, 10/03/2007, low-voltage pulse	Check lead

Brady Statistics <sup>1)</sup>			Atrial Tachy Statistics <sup>2)</sup>	
<b>RA Pacing:</b>	50 %	2)	<b>AT/AF Burden per day:</b>	10 %
<b>RV Pacing:</b>	30 %	2)	<b>Max ModeSw-Epis Duration:</b>	48.6 h
<b>AP-VP:</b>	10 %		<b>Time in ModeSw per day:</b>	5 %
<b>AS-VP:</b>	20 %		<b>Number of ModeSw per day:</b>	360
<b>AP-VS:</b>	40 %		<b>CRT Statistics<sup>2)</sup></b>	
<b>AS-VS:</b>	60 %		<b>LV Pacing:</b>	95 %
<b>Mean Atr. Heart Rate<sup>2)</sup>:</b>	72 bpm		<b>CRT Pacing:</b>	80 %
<b>Mean Ven. Heart Rate<sup>2)</sup>:</b>	72 bpm			

<sup>1)</sup> 09/25/2007 10:01 a.m. to 10/25/2007 10:00 a.m. (previous 4 weeks)

<sup>2)</sup> 10/24/2007 09:20 a.m. to 10/25/2007 09:20 a.m. (last 24 h)

...

## COUNTERS / EPISODES

Episode Counts		
Type	Recent <sup>1)</sup>	Total <sup>2)</sup>
VF	1	4
VT1	0	0
ModeSw	2	150
AT/AF	3	3
...	...	...

Therapy Counts		
Therapy	Recent <sup>1)</sup>	Total <sup>2)</sup>
Shocks delivered	1	5
Shocks aborted	0	0
ATPs	2	3

<sup>1)</sup> Since 09/27/2009 10:12 a.m. (last 3 weeks), <sup>2)</sup> Since Implantation (05/01/2005) or device reset

Episode List								
ID	Date/Time	Type	Therapy applied / Details	Result	Atr./Ven. Rate [bpm]		Duration hh:mm:ss	
					Detect	Term		
1723	03/30/2009 02:00:16	Periodic IEGM	Monitoring only		- / -	- / -	-	
...	...	...	...	...	...	...	...	
7	10/27/2007 07:04:02	VT1	No therapies	-	80 / 140	101 / 103	00:00:17	
6	10/27/2007 12:10:03	VT2	2 ATP, 5x 30J / 30J Shock ineffective	Unsuccessful	83 / 140	75 / 75	00:00:17	
5	10/24/2007 23:00:04	ATR	10 ATP	Successful	200 / 60	60 / 60	43:00:13	
4	10/11/2007 10:12:05	NST	- / Non sustained	-	95 / 158	75 / 75	00:00:30	
3	08/09/2007 02:00:12	Periodic IEGM	Monitoring only	-	- / -	- / -	-	
...	...	...	...	...	...	...	...	
1	07/09/2007 08:15:12	VF (induced)	30J Shock	Successful	104 / 210	102 / 102	00:00:11	

**DEVICE SETTINGS**

Brady Settings	
Brady Mode:	DDDR
Lower Rate:	60 bpm
Hysteresis Rate:	55 bpm
Night Rate:	55 bpm
Sensor Type:	Accelerometer
Max Tracking Rate:	130 bpm
Max Sensor Rate:	120 bpm
SAV Delay:	140..180 ms
PAV Delay:	110..150 ms

Atrial Tachyarrhythmia Settings	
AT Mode Switch Mode:	DDIR
AT Mode Switch Rate:	180 bpm

CRT Settings	
CRT Paced chambers:	BiV
LV-RV Delay:	-20 ms

Magnet Mode:	Detection and therapies temporarily suspended
--------------	---

Tachyarrhythmia Zone Settings							
				Ventricular Therapy:	ON	Atrial Therapy:	N/A
Zone	Limit bpm	Detection X of Y	ATP	Shocks	Details	Status	
VF	195	12/18	1x Ramp	5x 30J		Active	
VT1	165	9/12	5x Burst	1x 20J, 1x 30J, 5x 30J	SMART detection and redetection on	Active	
FastVT	165	9/12	5x Ramp+Scan	1x 20J, 5x 30J	Progressive therapy	Active	
VTMon	145		-	-		Active	
AT/AF	200	12/15	-	-	Triggers Mode Switch	Inactive	
Periodic IEGM	-	-	-	-	Every 30 days	Active	
...	...	...	...	...	...	...	

Lead Channel Settings			
	RA	RV	LV
Sensitivity:	0.8 mV (fixed)	1.3 mV (adaptive)	1 mV (fixed)
Sensing Polarity	Unipolar	Bipolar	Bipolar
Sensing Vector:	RA Tip – Can	RV Tip – RV Ring	LV Tip – LV Ring
Pacing Output:	1.8 V (fixed)	2.0 V (adaptive)	2.0 V (adaptive)
Pacing Pulse Width:	0.5 ms	0.5 ms	0.5 ms
Pacing Polarity:	Unipolar	Bipolar	Bipolar
Pacing Vector:	RA Ring – Can	RV Tip – RV Ring	LV Tip – RV Ring

## Annex G

(informative)

### Implementation notes

#### G.1 Overview

The following implementation aspects should be considered if this nomenclature is implemented.

#### G.2 Identifiers based on the [HIGHLOW] discriminator

Identifiers based on the [HIGHLOW] discriminator report a range of a parameter or value. In some cases, only one value may be provided by the reporting system indicating a constant value instead of a range. Consuming systems should be able to handle this and should represent singular values correctly.

##### Example:

- The reporter only provides MDC\_IDC\_SET\_BRADY\_SAV\_DELAY\_HIGH = 50 ms and no \_LOW value. The reporting system should display *SAV delay = 50 ms* instead of a false *SAV delay = .. 50 ms* or similar (see also page 72 in the example report).

#### G.3 Abnormal flags, null flavors

Measured values may not be available for different reasons (measurement could not be finished due to side conditions or the feature is off on purpose in the device or the value is out of range). It is therefore recommended to use and process abnormal flags (or null flavor codes) in addition to the reported (or not reported) measured values. Codes for abnormal flags (or null flavors) are not part of this standard but can be found in the according implementation profile or the underlying message standard.

##### Examples:

- The reporting system provides MDC\_IDC\_MSMT\_LEADCHNL\_RV\_IMPEDANCE\_VALUE = 3000 ohm and an abnormal flag for 'greater than' in addition. The consuming system should show *RV Impedance = > 3000 Ohm* (see also page 71 in the example report) instead of a false *RV Impedance = 3000 Ohm*.
- The reporting system only provides the abnormal flag for "OFF" attached to MDC\_IDC\_MSMT\_LEADCHNL\_RV\_IMPEDANCE\_VALUE. The consuming system should show *RV Impedance = OFF*, which indicates that the measurement is in principle possible but off at the moment. Never show *OFF* or similar if the reporting system does not provide the parameter at all.

#### G.4 Maintaining an episode list

Systems providing episode data based on this standard will mostly provide unique episode identifiers (MDC\_IDC\_EPISODE\_ID). Due to device resets or similar, they might not be unique throughout the device service time. Consuming systems should therefore uniquely identify an episode by means of the ID and the episode detection date and time. This will allow consuming systems to identify already received episodes so that a complete list of episodes without redundant content can be maintained and provided per patient.

## G.5 Identifiers incorporating the [MMM] discriminator (Min, Max, Mean)

Min and Max values are rarely provided. For general purpose, consuming systems can therefore focus on mean values. For a detailed statistical analysis and a correct representation in a graph, the additional values may become important. Measurement values without one of the [MMM] discriminators should not be used to provide a value.

If a statistical value has been determined for (more or less) a moment in time, reporting systems can indicate that by providing a measurement interval of length zero.

### Example:

- Mean heart rate has been determined at 11h:13m:40s to be 60 bpm.  
MDC\_IDC\_STAT\_HEART\_RATE\_VENTRICULAR\_MEAN = 60  
MDC\_IDC\_STAT\_HEART\_RATE\_DTM\_START = 20100205111340  
MDC\_IDC\_STAT\_HEART\_RATE\_DTM\_END = 20100205111340

## G.6 Identifiers with a Null discriminator

Identifiers with a Null discriminator (e.g., MDC\_IDC\_STAT\_HEART\_RATE\_VENTRICULAR) should not be used to provide content. They should only be used to structure a message or transmission.

### Example:

- MDC\_IDC\_STAT\_HEART\_RATE\_VENTRICULAR cannot be used  
MDC\_IDC\_STAT\_HEART\_RATE\_VENTRICULAR\_MAX can be used  
MDC\_IDC\_STAT\_HEART\_RATE\_VENTRICULAR\_MIN can be used  
MDC\_IDC\_STAT\_HEART\_RATE\_VENTRICULAR\_MEAN can be used

## G.7 Measurement dates and times (\_DTM\_[STRTEND])

Reporting systems should only use the date and time identifiers of this nomenclature (e.g., MDC\_IDC\_MSMT\_DTM\_START/\_END) to report about measurement dates and times instead of partly available date and time fields in underlying message standards (e.g., OBX.14 in HL7). This will avoid inconsistencies between vendors and keep the number of dates manageable for the consumer.

If only a \_START or only an \_END time is provided by the reporter, consuming systems should interpret that as a measurement at a moment in time where XXX\_START = XXX\_END.

The session date and time (MDC\_IDC\_SESS\_DTM) shall be assumed as the measurement timestamps if the last is not provided for a measurement section.

Time zone offsets for date and time fields should be provided if available. Time and date stamps for internal device measurements may not contain offsets.

## G.8 Measurement dates and times for episode counts (\_COUNT\_DTM)

A receiver may receive multiple \_COUNT\_DTM\_[STREND] for the different episode types but should just use/display the first received for all types.

A reporter is allowed to report just one \_COUNT\_DTM\_[STREND] for one episode type that is then valid for all episode counters provided.

NOTE—It does not make sense to provide AT, VT, and VF counters for different time intervals (e.g., the last few months) with one message.



```

<xs:simpleType name="ListOfDataType">
<xs:list itemType="xs:token"/>
</xs:simpleType>
<!-- -->
<!-- Term partition definition -->
<!-- -->
<xs:element name="partition">
<xs:complexType>
<xs:sequence>
<!-- -->
<xs:element name="partitionDescription">
<xs:complexType>
<xs:sequence>
<xs:element name="title" type="xs:string"/>
<xs:element name="date" type="xs:date"/>
<xs:element name="version" type="xs:string"/>
<xs:element name="component" type="xs:string" minOccurs="0"/>
<xs:element name="discriminatorRef" minOccurs="0" maxOccurs="10"/>
<xs:complexType>
<xs:attribute name="idref" type="xs:token" use="required"/>
</xs:complexType>
</xs:element>
<xs:element name="basePart" type="xs:unsignedShort" minOccurs="0"/>
<xs:element name="baseCode" type="xs:unsignedShort" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<!-- -->
<xs:element name="Terms" minOccurs="0">
<xs:complexType>
<xs:sequence maxOccurs="unbounded">
<xs:element name="term" minOccurs="0" maxOccurs="unbounded">
<xs:complexType>
<xs:sequence>
<xs:sequence maxOccurs="unbounded">
<xs:choice>
<xs:element name="REFID" type="xs:string"/>
<xs:element name="SysName" type="xs:string"/>
<xs:element name="Description">
<xs:complexType mixed="true">
<xs:sequence minOccurs="0" maxOccurs="unbounded">
<xs:element name="sidenote" type="xs:string" minOccurs="0"/>
<xs:element name="bullet" type="xs:string" minOccurs="0"/>
<xs:element name="footnote" type="xs:string" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="DisplayName" type="xs:string" minOccurs="0"/>
<xs:element name="CommonTerm" type="xs:string" minOccurs="0"/>
<xs:element name="Mnemonic" minOccurs="0">
<xs:complexType>
<xs:simpleContent>
<xs:extension base="xs:string">
<xs:attribute name="indent" type="xs:unsignedShort" default="0"/>
</xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>
<xs:element name="PART" type="xs:unsignedShort" minOccurs="0"/>
<xs:element name="ECODE10" type="xs:unsignedLong"/>
<xs:element name="CF_CODE10" type="xs:unsignedInt" minOccurs="0"/>
<xs:element name="UOM_UCUM" type="ListOfUnitsUCUM" minOccurs="0"/>
<xs:element name="UOM_MDC" type="ListOfUnitsIEEE" minOccurs="0"/>
<xs:element name="UPART" type="xs:unsignedShort" minOccurs="0"/>
<xs:element name="UCODE10" type="xs:unsignedShort" minOccurs="0"/>
<xs:element name="CF_UCODE10" type="xs:unsignedInt" minOccurs="0"/>
<xs:element name="DIM" type="CanonicalUnitDimensions" minOccurs="0"/>
<xs:element name="Enum_Values" type="ListOfEnums" minOccurs="0"/>
<xs:element name="Enum_Card" type="ListOfEnumCard" minOccurs="0"/>
<xs:element name="External_Sites" type="ListOfEnums" minOccurs="0"/>
<xs:element name="DataType" type="ListOfDataType" minOccurs="0"/>
<!-- the following columns/elements provide additional information about each term -->
<xs:element name="sep" type="xs:string" minOccurs="0"/>
<xs:element name="mit-bih" type="xs:string" minOccurs="0"/>
<xs:element name="other" type="xs:string" minOccurs="0"/>
<xs:element name="auxinfo" type="xs:string" minOccurs="0"/>
</xs:choice>
</xs:sequence>
<xs:sequence>
<xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
</xs:sequence>
</xs:sequence>
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<xs:element name="footnote" type="xs:string" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>

```

```
</xs:complexType>
</xs:element>
<!-- -->
<xs:element name="note" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>
<!-- -->
<xs:element name="Enums" minOccurs="0">
<xs:annotation>
<xs:documentation>Local enums are searched first followed by common enums in an external file.</xs:documentation>
</xs:annotation>
<xs:complexType>
<xs:sequence>
<xs:element name="term" minOccurs="0" maxOccurs="unbounded"/>
<xs:complexType>
<xs:sequence>
<xs:sequence maxOccurs="unbounded">
<xs:choice>
<xs:element name="_ENUM_GROUPS" type="ListOfEnumGroups"/>
<xs:element name="GroupDescription" type="xs:string"/>
<xs:element name="TOKEN" type="xs:string"/>
<xs:element name="REFID" type="xs:token"/>
<xs:element name="PART" type="xs:unsignedShort" minOccurs="0"/>
<xs:element name="ECODE10" type="xs:unsignedLong" minOccurs="0"/>
<xs:element name="CF_CODE10" type="xs:unsignedInt" minOccurs="0"/>
<xs:element name="DisplayName" type="xs:string" minOccurs="0"/>
<xs:element name="CommonTerm" type="xs:string" minOccurs="0"/>
<xs:element name="Description" type="xs:string" minOccurs="0"/>
<xs:element name="ApplicationDescription" type="xs:string" minOccurs="0"/>
<xs:element name="VendorID" type="ListOfVendorID" minOccurs="0"/>
<xs:element name="Discussion" type="xs:string" minOccurs="0"/>
</xs:choice>
</xs:sequence>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<!-- -->
<xs:element name="Units" minOccurs="0">
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<xs:documentation>Units are located in a common external file.</xs:documentation>
</xs:annotation>
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<xs:sequence>
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<xs:all>
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<xs:element name="Unit_of_Measure" type="xs:string" minOccurs="0"/>
<xs:element name="Symbol" type="xs:unsignedShort" minOccurs="0"/>
<xs:element name="UOM_UCUM" type="ListOfUnitsUCUM"/>
<xs:element name="REFID" type="xs:token"/>
<xs:element name="ECODE10" type="xs:unsignedShort" minOccurs="0"/>
<xs:element name="DIM" type="CanonicalUnitDimensions" minOccurs="0"/>
<xs:element name="_UOM_GROUPS" type="ListOfUnitGroups" minOccurs="0"/>
<xs:element name="Discussion" type="xs:string" minOccurs="0"/>
</xs:all>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<!-- -->
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>
```

### H.3 XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- Sample XML file generated by XMLSpy v2008 sp1 (http://www.altova.com)-->
<partition xmlns="http://www.ieee.org/11073/nomenclature" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.ieee.org/11073/nomenclature terms.8g.xsd">
  <partitionDescription>
    <title>IDC Terminology</title>
    <date>2010-06-12</date>
    <version>8g</version>
    <component>IDC</component>
    <basePart>11</basePart>
    <baseCode>0</baseCode>
  </partitionDescription>
  <Terms>
    <term>
      <REFID>MDC_IDC_DEV_TYPE</REFID>
      <SysName>type | cardiac device | idc | mdc</SysName>
      <Description>The type of cardiac device.</Description>
      <DisplayName>Implantable Cardiac Device Type</DisplayName>
      <ECODE10>720897</ECODE10>
      <UOM_MDC>
      <Enum_Values>_MDC_IDC_ENUM_DEV_TYPE</Enum_Values>
    </term>
  </Terms>
```

```

<REFID>MDC_IDC_DEV_MODEL</REFID>
<SysName>model | cardiac device | idc | mdc</SysName>
<Description>The model identifier of a cardiac device.</Description>
<DisplayName>Implantable Cardiac Device Model</DisplayName>
<ECODE10>720898</ECODE10>
<UOM_MDC/>
</term>
<term>
<REFID>MDC_IDC_DEV_SERIAL</REFID>
<SysName>serial number | cardiac device | idc | mdc</SysName>
<Description>The serial number of a cardiac device.</Description>
<DisplayName>Implantable Cardiac Device Serial Number</DisplayName>
<ECODE10>720899</ECODE10>
<UOM_MDC/>
</term>
<term>
<REFID>MDC_IDC_DEV_MFG</REFID>
<SysName>manufacturer | cardiac device | idc | mdc</SysName>
<Description>The manufacturer of the cardiac device.</Description>
<DisplayName>Implantable Cardiac Device Manufacturer</DisplayName>
<ECODE10>720900</ECODE10>
<UOM_MDC/>
<Enum_Values>_MDC_IDC_ENUM_MFG</Enum_Values>
</term>
<term>
<REFID>MDC_IDC_DEV_IMPLANT_DT</REFID>
<SysName>implant date | cardiac device | idc | mdc</SysName>
<Description>The implant date of the cardiac device.</Description>
<DisplayName>Implantable Cardiac Device Implant Date</DisplayName>
<ECODE10>720901</ECODE10>
<UOM_MDC/>
</term>
<term>
<REFID>MDC_IDC_DEV_IMPLANTER</REFID>
<SysName>implanter | cardiac device | idc | mdc</SysName>
<Description>The name of the physician that implanted the cardiac device.</Description>
<DisplayName>Implantable Cardiac Device Implanter</DisplayName>
<ECODE10>720902</ECODE10>
<UOM_MDC/>
</term>
<term>
<REFID>MDC_IDC_DEV_IMPLANTER_CONTACT_INFO</REFID>
<SysName>implanter contact information | cardiac device | idc | mdc</SysName>
<Description>The contact information of the physician that implanted the cardiac device.</Description>
<DisplayName>Implantable Cardiac Device Implanter Contact Information</DisplayName>
<ECODE10>720903</ECODE10>
<UOM_MDC/>
</term>
<term>
<REFID>MDC_IDC_DEV_IMPLANTING_FACILITY</REFID>
<SysName>implanting facility | cardiac device | idc | mdc</SysName>
<Description>The facility (clinic / hospital) where the cardiac device was implanted.</Description>
<DisplayName>Implantable Cardiac Device Implanting Facility</DisplayName>
<ECODE10>720904</ECODE10>
<UOM_MDC/>
</term>
<term>
<REFID>MDC_IDC_LEAD_MODEL</REFID>
<SysName>model | lead | idc | mdc</SysName>
<Description>The model of the lead.</Description>
<DisplayName>Implantable Lead Model</DisplayName>
<ECODE10>720961</ECODE10>
<UOM_MDC/>
</term>
<term>
<REFID>MDC_IDC_LEAD_SERIAL</REFID>
<SysName>serial number | lead | idc | mdc</SysName>
<Description>The serial number of the lead.</Description>
<DisplayName>Implantable Lead Serial Number</DisplayName>
<ECODE10>720962</ECODE10>
<UOM_MDC/>
</term>
<term>
<REFID>MDC_IDC_LEAD_MFG</REFID>
<SysName>manufacturer | lead | idc | mdc</SysName>
<Description>The manufacturer of the lead.</Description>
<DisplayName>Implantable Lead Manufacturer</DisplayName>
<ECODE10>720963</ECODE10>
<UOM_MDC/>
<Enum_Values>_MDC_IDC_ENUM_MFG</Enum_Values>
</term>
<term>
<REFID>MDC_IDC_LEAD_IMPLANT_DT</REFID>
<SysName>implant date | lead | idc | mdc</SysName>
<Description>The implant date of the lead.</Description>
<DisplayName>Implantable Lead Implant Date</DisplayName>
<ECODE10>720964</ECODE10>
<UOM_MDC/>
</term>
<term>
<REFID>MDC_IDC_LEAD_POLARITY_TYPE</REFID>
<SysName>polarity type | lead | idc | mdc</SysName>
<Description>The number of electrodes on the lead. </Description>

```

```
<DisplayName>Implantable Lead Polarity Type</DisplayName>
<ECODE10>720965</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_LEAD_POLARITY_TYPE</Enum_Values>
</term>
<term>
<REFID>MDC_IDC_LEAD_LOCATION</REFID>
<SysName>location | lead | ldc | mdc</SysName>
<Description>The fixation location of the lead, usually indicating a chamber of the heart.</Description>
<DisplayName>Implantable Lead Location</DisplayName>
<ECODE10>720966</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_LEAD_LOCATION_CHAMBER</Enum_Values>
</term>
<term>
<REFID>MDC_IDC_LEAD_LOCATION_DETAIL_1</REFID>
<SysName>detail 1 | location | lead | ldc | mdc</SysName>
<Description>The first word of a combination of words describing further details of the location.</Description>
<DisplayName>Implantable Lead Location Detail 1</DisplayName>
<ECODE10>720967</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_LEAD_LOCATION_DETAIL</Enum_Values>
</term>
<term>
<REFID>MDC_IDC_LEAD_LOCATION_DETAIL_2</REFID>
<SysName>detail 2 | location | lead | ldc | mdc</SysName>
<Description>The second word of a combination of words describing further details of the location.</Description>
<DisplayName>Implantable Lead Location Detail 2</DisplayName>
<ECODE10>720968</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_LEAD_LOCATION_DETAIL</Enum_Values>
</term>
<term>
<REFID>MDC_IDC_LEAD_LOCATION_DETAIL_3</REFID>
<SysName>detail 3 | location | lead | ldc | mdc</SysName>
<Description>The third word of a combination of words describing further details of the location.</Description>
<DisplayName>Implantable Lead Location Detail 3</DisplayName>
<ECODE10>720969</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_LEAD_LOCATION_DETAIL</Enum_Values>
</term>
<term>
<REFID>MDC_IDC_LEAD_CONNECTION_STATUS</REFID>
<SysName>connection status | lead | ldc | mdc</SysName>
<Description>The physical connection status of the lead, either connected or abandoned.</Description>
<DisplayName>Implantable Lead Connection Status</DisplayName>
<ECODE10>720970</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_LEAD_STATUS</Enum_Values>
</term>
<term>
<REFID>MDC_IDC_LEAD_SPECIAL_FUNCTION</REFID>
<SysName>special function | lead | ldc | mdc</SysName>
<Description>A description of any special attribute or function of the lead.</Description>
<DisplayName>Implantable Lead Special Function</DisplayName>
<ECODE10>720971</ECODE10>
<UOM_MDC>
</term>
<term>
<REFID>MDC_IDC_SESS_DTM</REFID>
<SysName>date time | session | ldc | mdc</SysName>
<Description>The date and time of the in-clinic or remote interrogation session.</Description>
<DisplayName>Date Time Interrogation Session</DisplayName>
<ECODE10>721025</ECODE10>
<UOM_MDC>
</term>
<term>
<REFID>MDC_IDC_SESS_TYPE</REFID>
<SysName>type | session | ldc | mdc</SysName>
<Description>The type of device interaction that generated the current data set.</Description>
<DisplayName>Type Interrogation Session</DisplayName>
<ECODE10>721026</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_SESS_TYPE</Enum_Values>
</term>
<term>
<REFID>MDC_IDC_SESS_REPROGRAMMED</REFID>
<SysName>reprogrammed | session | ldc | mdc</SysName>
<Description>The indication of whether the device was re-programmed during the session.</Description>
<DisplayName>Re-programmed During Session</DisplayName>
<ECODE10>721027</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_SESS_REPROGRAMMED</Enum_Values>
</term>
<term>
<REFID>MDC_IDC_SESS_DTM_PREVIOUS</REFID>
<SysName>previous date time | session | ldc | mdc</SysName>
<Description>The date and time of a previous in-clinic or remote interrogation.</Description>
<DisplayName>Date Time Previous Interrogation Session</DisplayName>
<ECODE10>721028</ECODE10>
<UOM_MDC>
</term>
</term>
```

<REFID>MDC\_IDC\_SESS\_TYPE\_PREVIOUS</REFID>  
 <SysName>previous type | session | idc | mdc</SysName>  
 <Description>The type of device interaction of the previous interrogation.</Description>  
 <DisplayName>Type Previous Interrogation Session </DisplayName>  
 <ECODE10>721029</ECODE10>  
 <UOM\_MDC>  
 <Enum\_Values>\_MDC\_IDC\_ENUM\_SESS\_TYPE</Enum\_Values>  
 </term>  
 <term>  
 <REFID>MDC\_IDC\_SESS\_REPROGRAMMED\_PREVIOUS</REFID>  
 <SysName>reprogrammed previous | session | idc | mdc</SysName>  
 <Description>The indication of whether the device was re-programmed along with the previous interrogation.</Description>  
 <DisplayName>Re-programmed During Previous Session</DisplayName>  
 <ECODE10>721030</ECODE10>  
 <UOM\_MDC>  
 <Enum\_Values>\_MDC\_IDC\_ENUM\_SESS\_REPROGRAMMED</Enum\_Values>  
 </term>  
 <term>  
 <REFID>MDC\_IDC\_SESS\_CLINICIAN\_NAME</REFID>  
 <SysName>clinician name | session | idc | mdc</SysName>  
 <Description>The name of the clinician that is responsible for the examination.</Description>  
 <DisplayName>Clinician Name</DisplayName>  
 <ECODE10>721031</ECODE10>  
 <UOM\_MDC>  
 </term>  
 <term>  
 <REFID>MDC\_IDC\_SESS\_CLINICIAN\_CONTACT\_INFORMATION</REFID>  
 <SysName>clinician contact information | session | idc | mdc</SysName>  
 <Description>The contact information for the responsible clinician.</Description>  
 <DisplayName>Clinician Contact Information</DisplayName>  
 <ECODE10>721032</ECODE10>  
 <UOM\_MDC>  
 </term>  
 <term>  
 <REFID>MDC\_IDC\_SESS\_CLINIC\_NAME</REFID>  
 <SysName>clinic name | session | idc | mdc</SysName>  
 <Description>The name of the clinic where the examination took place. </Description>  
 <DisplayName>Clinic Name</DisplayName>  
 <ECODE10>721033</ECODE10>  
 <UOM\_MDC>  
 </term>  
 <term>  
 <REFID>MDC\_IDC\_MSMT\_DTM\_[STRTEND]</REFID>  
 <SysName>date time\_[STRTEND] | measurement | idc | mdc</SysName>  
 <Description>The date and time of a discrete or a group of measurements.</Description>  
 <DisplayName>Measurement Date Time</DisplayName>  
 <ECODE10>721152</ECODE10>  
 <UOM\_MDC>  
 </term>  
 <term>  
 <REFID>MDC\_IDC\_MSMT\_BATTERY\_DTM</REFID>  
 <SysName>date time | battery | measurement | idc | mdc</SysName>  
 <Description>The date and time of the battery measurements.</Description>  
 <DisplayName>Battery Date Time of Measurements</DisplayName>  
 <ECODE10>721216</ECODE10>  
 <UOM\_MDC>  
 </term>  
 <term>  
 <REFID>MDC\_IDC\_MSMT\_BATTERY\_STATUS</REFID>  
 <SysName>status | battery | measurement | idc | mdc</SysName>  
 <Description>The different stages of battery depletion. </Description>  
 <DisplayName>Battery Status </DisplayName>  
 <ECODE10>721280</ECODE10>  
 <UOM\_MDC>  
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 <REFID>MDC\_IDC\_MSMT\_BATTERY\_VOLTAGE</REFID>  
 <SysName>voltage | battery | measurement | idc | mdc</SysName>  
 <Description>The measured battery voltage.</Description>  
 <DisplayName>Battery Voltage </DisplayName>  
 <ECODE10>721344</ECODE10>  
 <UOM\_MDC>V</UOM\_MDC>  
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 <REFID>MDC\_IDC\_MSMT\_BATTERY\_IMPEDANCE</REFID>  
 <SysName>impedance | battery | measurement | idc | mdc</SysName>  
 <Description>The measured battery impedance.</Description>  
 <DisplayName>Battery Impedance </DisplayName>  
 <ECODE10>721408</ECODE10>  
 <UOM\_MDC>Ohm</UOM\_MDC>  
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 <REFID>MDC\_IDC\_MSMT\_BATTERY\_REMAINING\_LONGEVITY</REFID>  
 <SysName>remaining longevity | battery | measurement | idc | mdc</SysName>  
 <Description>The estimated amount of battery capacity remaining in months.</Description>  
 <DisplayName>Battery Remaining Longevity</DisplayName>  
 <ECODE10>721472</ECODE10>  
 <UOM\_MDC>mo</UOM\_MDC>  
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 <REFID>MDC\_IDC\_MSMT\_BATTERY\_REMAINING\_PERCENTAGE</REFID>  
 <SysName>remaining percentage | battery | measurement | idc | mdc</SysName>

<Description>The estimated amount of battery capacity remaining in percent.</Description>  
<DisplayName>Battery Remaining Percentage</DisplayName>  
<ECODE10>721536</ECODE10>  
<UOM\_MDC>%</UOM\_MDC>  
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<REFID>MDC\_IDC\_MSMT\_BATTERY\_RRT\_TRIGGER</REFID>  
<SysName>recommended replacement time trigger | battery | measurement | idc | mdc</SysName>  
<Description>The criteria for determining battery end of service condition.</Description>  
<DisplayName>Battery RRT Trigger</DisplayName>  
<ECODE10>721600</ECODE10>  
<UOM\_MDC/>  
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<REFID>MDC\_IDC\_MSMT\_CAP\_CHARGE\_DTM</REFID>  
<SysName>last charge date time | capacitor | measurement | idc | mdc</SysName>  
<Description>The date and time of the capacitor charge.</Description>  
<DisplayName>Capacitor Last Charge Date Time </DisplayName>  
<ECODE10>721664</ECODE10>  
<UOM\_MDC/>  
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<REFID>MDC\_IDC\_MSMT\_CAP\_CHARGE\_TIME</REFID>  
<SysName>charge time | capacitor | measurement | idc | mdc</SysName>  
<Description>The duration in seconds of the capacitor charge.</Description>  
<DisplayName>Capacitor Charge Time </DisplayName>  
<ECODE10>721728</ECODE10>  
<UOM\_MDC>s</UOM\_MDC>  
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<REFID>MDC\_IDC\_MSMT\_CAP\_CHARGE\_ENERGY</REFID>  
<SysName>charge energy | capacitor | measurement | idc | mdc</SysName>  
<Description>The amount of energy stored after the capacitor charge.</Description>  
<DisplayName>Capacitor Charge Energy </DisplayName>  
<ECODE10>721792</ECODE10>  
<UOM\_MDC>J</UOM\_MDC>  
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<REFID>MDC\_IDC\_MSMT\_CAP\_CHARGE\_TYPE</REFID>  
<SysName>charge type | capacitor | measurement | idc | mdc</SysName>  
<Description>The type of the capacitor charge.</Description>  
<DisplayName>Capacitor Charge Type </DisplayName>  
<ECODE10>721856</ECODE10>  
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<Enum\_Values>\_MDC\_IDC\_ENUM\_CHARGE\_TYPE</Enum\_Values>  
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<SysName>date time\_[STRTEND] | lead channel\_[CHAMBER] | measurement | idc | mdc</SysName>  
<Description>The date and time of the lead channel measurements.</Description>  
<DisplayName>Lead Channel Measurements Date and Time</DisplayName>  
<ECODE10>721920</ECODE10>  
<UOM\_MDC/>  
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<SysName>lead channel status | lead channel\_[CHAMBER] | measurement | idc | mdc</SysName>  
<Description>The indication whether to check the lead.</Description>  
<DisplayName>Lead Channel Status </DisplayName>  
<ECODE10>721984</ECODE10>  
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<SysName>sensing intrinsic amplitude\_[MMM] | lead channel\_[CHAMBER] | measurement | idc | mdc</SysName>  
<Description>The measured amplitude of the intrinsic cardiac signal.</Description>  
<DisplayName>Lead Channel Sensing Intrinsic Amplitude </DisplayName>  
<ECODE10>722048</ECODE10>  
<UOM\_MDC>mV</UOM\_MDC>  
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<SysName>sensing polarity | lead channel\_[CHAMBER] | measurement | idc | mdc</SysName>  
<Description>The type of polarity used for the intrinsic amplitude measurement. </Description>  
<DisplayName>Lead Channel Sensing Polarity </DisplayName>  
<ECODE10>722112</ECODE10>  
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<SysName>amplitude | pacing threshold | lead channel\_[CHAMBER] | measurement | idc | mdc</SysName>  
<Description>The minimum pulse amplitude needed for pacing capture for a given pulse width.</Description>  
<DisplayName>Lead Channel Pacing Threshold Amplitude </DisplayName>  
<ECODE10>722176</ECODE10>  
<UOM\_MDC>V</UOM\_MDC>  
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<REFID>MDC\_IDC\_MSMT\_LEADCHNL\_[CHAMBER]\_PACING\_THRESHOLD\_PULSEWIDTH</REFID>  
<SysName>pulse width | pacing threshold | lead channel\_[CHAMBER] | measurement | idc | mdc</SysName>  
<Description>The pulse width that was applied when determining the pacing threshold amplitude.</Description>  
<DisplayName>Lead Channel Pacing Threshold Pulse Width </DisplayName>

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<ECODE10>722240</ECODE10>
<UOM_MDC>ms</UOM_MDC>
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<REFID>MDC_IDC_MSMT_LEADCHNL_[CHAMBER]_PACING_THRESHOLD_MEASUREMENT_METHOD</REFID>
<SysName>measurement method | pacing threshold | lead channel_[CHAMBER] | measurement | idc | mdc</SysName>
<Description>The method that was used to obtain the pacing threshold.</Description>
<DisplayName>Lead Channel Pacing Threshold Measurement Method</DisplayName>
<ECODE10>722304</ECODE10>
<UOM_MDC>
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<SysName>polarity | pacing threshold | lead channel_[CHAMBER] | measurement | idc | mdc</SysName>
<Description>The type of lead polarity that was used for the pacing threshold measurement.</Description>
<DisplayName>Lead Channel Pacing Threshold Polarity</DisplayName>
<ECODE10>722368</ECODE10>
<UOM_MDC>
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<REFID>MDC_IDC_MSMT_LEADCHNL_[CHAMBER]_IMPEDANCE_VALUE</REFID>
<SysName>value | impedance | lead channel_[CHAMBER] | measurement | idc | mdc</SysName>
<Description>The sum of the impedances of the lead wires and the electrode-myocardial interface.</Description>
<DisplayName>Lead Channel Impedance Value</DisplayName>
<ECODE10>722432</ECODE10>
<UOM_MDC>Ohm</UOM_MDC>
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<SysName>polarity | impedance | lead channel_[CHAMBER] | measurement | idc | mdc</SysName>
<Description>The type of lead polarity used for measuring the lead impedance.</Description>
<DisplayName>Lead Channel Impedance Polarity</DisplayName>
<ECODE10>722496</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_POLARITY</Enum_Values>
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<REFID>MDC_IDC_MSMT_LEADHVCHNL_DTM_[STRTEND]</REFID>
<SysName>date time_[STRTEND] | lead high-voltage channel | measurement | idc | mdc</SysName>
<Description>The date and time of the high-voltage lead channel measurements.</Description>
<DisplayName>Lead High-voltage Channel Date Time</DisplayName>
<ECODE10>722560</ECODE10>
<UOM_MDC>
</term>
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<REFID>MDC_IDC_MSMT_LEADHVCHNL_IMPEDANCE</REFID>
<SysName>impedance | lead high-voltage channel | measurement | idc | mdc</SysName>
<Description>The sum of the impedances of the shock lead wires and the electrode-myocardial interface.</Description>
<DisplayName>Lead High-voltage Channel Impedance</DisplayName>
<ECODE10>722624</ECODE10>
<UOM_MDC>Ohm</UOM_MDC>
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<REFID>MDC_IDC_MSMT_LEADHVCHNL_MEASUREMENT_TYPE</REFID>
<SysName>measurement type | lead high-voltage channel | measurement | idc | mdc</SysName>
<Description>The electric pulse type used for measuring the shock lead impedance.</Description>
<DisplayName>Lead High-voltage Channel Measurement Type</DisplayName>
<ECODE10>722688</ECODE10>
<UOM_MDC>
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<REFID>MDC_IDC_MSMT_LEADHVCHNL_STATUS</REFID>
<SysName>status | lead high-voltage channel | measurement | idc | mdc</SysName>
<Description>The indication whether to check the high-voltage lead.</Description>
<DisplayName>Lead High-voltage Channel Status</DisplayName>
<ECODE10>722752</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_CHANNEL_STATUS</Enum_Values>
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<REFID>MDC_IDC_SET_CRT_LVRV_DELAY</REFID>
<SysName>cardiac resynchronization therapy left ventricle right ventricle delay | setting | idc | mdc</SysName>
<Description>The time between the LV and RV pacing pulses (positive values indicate LV is first).</Description>
<DisplayName>CRT LV-RV Delay</DisplayName>
<ECODE10>729344</ECODE10>
<UOM_MDC>ms</UOM_MDC>
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<REFID>MDC_IDC_SET_CRT_PACED_CHAMBERS</REFID>
<SysName>cardiac resynchronization therapy paced chambers | setting | idc | mdc</SysName>
<Description>The ventricular chambers paced during CRT pacing.</Description>
<DisplayName>Ventricular chambers paced during CRT pacing.</DisplayName>
<ECODE10>729408</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_CRT_PACED_CHAMBERS</Enum_Values>
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<REFID>MDC_IDC_SET_MAGNET_RESP</REFID>
<SysName>magnet response | setting | idc | mdc</SysName>
<Description>A description of how the device responds to a magnet.</Description>

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<DisplayName>Magnet Response</DisplayName>
<ECODE10>729472</ECODE10>
<UOM_MDC>
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<term>
<REFID>MDC_IDC_SET_LEADCHNL_[CHAMBER]_SENSING_SENSITIVITY</REFID>
<SysName>sensitivity | sensing | lead channel_[CHAMBER] | setting | idc | mdc</SysName>
<Description>The smallest electrical signal programmed to be detected by the device's sensing circuitry.</Description>
<DisplayName>Lead Channel Setting Sensing Sensitivity</DisplayName>
<ECODE10>729536</ECODE10>
<UOM_MDC>mV</UOM_MDC>
</term>
<term>
<REFID>MDC_IDC_SET_LEADCHNL_[CHAMBER]_SENSING_POLARITY</REFID>
<SysName>polarity | sensing | lead channel_[CHAMBER] | setting | idc | mdc</SysName>
<Description>The indication of unipolar or bipolar configuration for sensing.</Description>
<DisplayName>Lead Channel Setting Sensing Polarity </DisplayName>
<ECODE10>729600</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_POLARITY</Enum_Values>
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<REFID>MDC_IDC_SET_LEADCHNL_[CHAMBER]_SENSING_ANODE_LOCATION_[1..3]</REFID>
<SysName>anode location_[1..3] | sensing | lead channel_[CHAMBER] | setting | idc | mdc</SysName>
<Description>The location of the electrodes that define the sensing vector's anode, noting that sensing is polarity neutral. An anode may consist of more than one
electrode.</Description>
<DisplayName>Lead Channel Setting Sensing Anode Location</DisplayName>
<ECODE10>729664</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_ELECTRODE_LOCATION</Enum_Values>
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<SysName>anode electrode_[1..3] | sensing | lead channel_[CHAMBER] | setting | idc | mdc</SysName>
<Description>The type of the electrodes that define the sensing vector's anode, noting that sensing is polarity neutral. An anode may consist of more than one
electrode.</Description>
<DisplayName>Lead Channel Setting Sensing Anode Terminal</DisplayName>
<ECODE10>729728</ECODE10>
<UOM_MDC>
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<SysName>cathode location_[1..3] | sensing | lead channel_[CHAMBER] | setting | idc | mdc</SysName>
<Description>The location of the electrodes that define the sensing vector's cathode, noting that sensing is polarity neutral. A cathode may consist of more than one
electrode.</Description>
<DisplayName>Lead Channel Setting Sensing Cathode Location</DisplayName>
<ECODE10>729792</ECODE10>
<UOM_MDC>
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<SysName>cathode electrode_[1..3] | sensing | lead channel_[CHAMBER] | setting | idc | mdc</SysName>
<Description>The type of the electrodes that define the sensing vector's cathode, noting that sensing is polarity neutral. A cathode may consist of more than one
electrode.</Description>
<DisplayName>Lead Channel Setting Sensing Cathode Terminal</DisplayName>
<ECODE10>729856</ECODE10>
<UOM_MDC>
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<REFID>MDC_IDC_SET_LEADCHNL_[CHAMBER]_SENSING_ADAPTATION_MODE</REFID>
<SysName>adaptation mode | sensing | lead channel_[CHAMBER] | setting | idc | mdc</SysName>
<Description>Specifies whether the sensitivity is fixed or adapting.</Description>
<DisplayName>Lead Channel Setting Sensing Adaptation Mode</DisplayName>
<ECODE10>729920</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_SENSING_ADAPTATION_MODE</Enum_Values>
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<REFID>MDC_IDC_SET_LEADCHNL_[CHAMBER]_PACING_AMPLITUDE</REFID>
<SysName>amplitude | pacing | lead channel_[CHAMBER] | setting | idc | mdc</SysName>
<Description>The pacing output amplitude.</Description>
<DisplayName>Lead Channel Setting Pacing Amplitude</DisplayName>
<ECODE10>729984</ECODE10>
<UOM_MDC>V</UOM_MDC>
</term>
<term>
<REFID>MDC_IDC_SET_LEADCHNL_[CHAMBER]_PACING_PULSEWIDTH</REFID>
<SysName>pulse width | pacing | lead channel_[CHAMBER] | setting | idc | mdc</SysName>
<Description>The pacing output pulse width.</Description>
<DisplayName>Lead Channel Setting Pacing Pulse Width</DisplayName>
<ECODE10>730048</ECODE10>
<UOM_MDC>ms</UOM_MDC>
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<REFID>MDC_IDC_SET_LEADCHNL_[CHAMBER]_PACING_POLARITY</REFID>
<SysName>polarity | pacing | lead channel_[CHAMBER] | setting | idc | mdc</SysName>
<Description>The indication of unipolar or bipolar configuration for pacing.</Description>
<DisplayName>Lead Channel Setting Pacing Polarity</DisplayName>
<ECODE10>730112</ECODE10>
<UOM_MDC>
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<SysName>anode electrode\_[1..3] | pacing | lead channel\_[CHAMBER] | setting | idc | mdc</SysName>  
<Description>The location of the electrodes that define the pacing vector's anode. An anode may consist of more than one electrode.</Description>  
<DisplayName>Lead Channel Setting Pacing Anode Location</DisplayName>  
<ECODE10>730176</ECODE10>  
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<SysName>anode electrode\_[1..3] | pacing | lead channel\_[CHAMBER] | setting | idc | mdc</SysName>  
<Description>The type of the electrodes that define the pacing vector's anode. An anode may consist of more than one electrode.</Description>  
<DisplayName>Lead Channel Setting Pacing Anode Terminal</DisplayName>  
<ECODE10>730240</ECODE10>  
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<SysName>cathode location\_[1..3] | pacing | lead channel\_[CHAMBER] | setting | idc | mdc</SysName>  
<Description>The location of the electrodes that define the pacing vector's cathode. A cathode may consist of more than one electrode.</Description>  
<DisplayName>Lead Channel Setting Pacing Cathode Location</DisplayName>  
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<SysName>cathode electrode\_[1..3] | pacing | lead channel\_[CHAMBER] | setting | idc | mdc</SysName>  
<Description>The type of the electrodes that define the pacing vector's cathode. A cathode may consist of more than one electrode.</Description>  
<DisplayName>Lead Channel Setting Pacing Cathode Terminal</DisplayName>  
<ECODE10>730368</ECODE10>  
<UOM\_MDC>  
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<REFID>MDC\_IDC\_SET\_LEADCHNL\_[CHAMBER]\_PACING\_CAPTURE\_MODE</REFID>  
<SysName>capture mode | pacing | lead channel\_[CHAMBER] | setting | idc | mdc</SysName>  
<Description>The method the device uses for managing pacing capture.</Description>  
<DisplayName>Lead Channel Setting Pacing Capture Mode</DisplayName>  
<ECODE10>730432</ECODE10>  
<UOM\_MDC>  
<Enum\_Values>\_MDC\_IDC\_ENUM\_PACING\_CAPTURE\_MODE</Enum\_Values>  
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<REFID>MDC\_IDC\_SET\_LEADHVCHNL\_SHOCK\_VECTOR\_ANODE\_LOCATION\_[1..3]</REFID>  
<SysName>anode location\_[1..3] | vector | shock | lead high-voltage channel | setting | idc | mdc</SysName>  
<Description>The location of the anode electrode that defines the shocking vector for the lead. An anode may consist of more than one electrode.</Description>  
<DisplayName>Lead High-voltage Channel Setting Shock Vector Anode Location</DisplayName>  
<ECODE10>730496</ECODE10>  
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<SysName>anode electrode\_[1..3] | vector | shock | lead high-voltage channel | setting | idc | mdc</SysName>  
<Description>The anode electrode terminal that defines the shocking vector for the lead. An anode may consist of more than one electrode.</Description>  
<DisplayName>Lead High-voltage Channel Setting Shock Vector Anode Terminal</DisplayName>  
<ECODE10>730560</ECODE10>  
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<SysName>cathode location\_[1..3] | vector | shock | lead high-voltage channel | setting | idc | mdc</SysName>  
<Description>The location of the cathode electrode that defines the shocking vector for the lead. A cathode may consist of more than one electrode.</Description>  
<DisplayName>Lead High-voltage Channel Setting Shock Vector Cathode Location</DisplayName>  
<ECODE10>730624</ECODE10>  
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<SysName>cathode electrode\_[1..3] | vector | shock | lead high-voltage channel | setting | idc | mdc</SysName>  
<Description>The cathode electrode terminal that defines the shocking vector for the lead. A cathode may consist of more than one electrode.</Description>  
<DisplayName>Lead High-voltage Channel Setting Shock Vector Cathode Terminal</DisplayName>  
<ECODE10>730688</ECODE10>  
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<REFID>MDC\_IDC\_SET\_BRADY\_MODE</REFID>  
<SysName>mode | brady | setting | idc | mdc</SysName>  
<Description>The brady pacing mode according to the NBG standard.</Description>  
<DisplayName>Brady Setting Mode (NBG Code)</DisplayName>  
<ECODE10>730752</ECODE10>  
<UOM\_MDC>  
<Enum\_Values>\_MDC\_IDC\_ENUM\_BRADY\_MODE</Enum\_Values>  
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<REFID>MDC\_IDC\_SET\_BRADY\_VENDOR\_MODE</REFID>  
<SysName>mode | brady | setting | idc | mdc</SysName>  
<Description>The brady pacing mode as defined by vendor-specific codes.</Description>  
<DisplayName>Brady Setting Mode (Vendor-specific)</DisplayName>  
<ECODE10>730816</ECODE10>  
<UOM\_MDC>  
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<REFID>MDC\_IDC\_SET\_BRADY\_LOWRATE</REFID>  
<SysName>lowrate | brady | setting | idc | mdc</SysName>  
<Description>The rate at which the device paces in the absence of a cardiac rhythm faster than the lower rate and without influence from features that can affect the  
pacing rate.</Description>  
<DisplayName>Brady Setting Lower Rate Limit</DisplayName>  
<ECODE10>730880</ECODE10>  
<UOM\_MDC>{beats}/min</UOM\_MDC>  
</term>  
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<REFID>MDC\_IDC\_SET\_BRADY\_HYSTRATE</REFID>  
<SysName>hystrate | brady | setting | idc | mdc</SysName>  
<Description>The lower rate for the hysteresis feature.</Description>  
<DisplayName>Brady Setting Hysteresis Rate</DisplayName>  
<ECODE10>730944</ECODE10>  
<UOM\_MDC>{beats}/min</UOM\_MDC>  
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<REFID>MDC\_IDC\_SET\_BRADY\_NIGHT\_RATE</REFID>  
<SysName>night rate | brady | setting | idc | mdc</SysName>  
<Description>The lower rate for the night rate feature.</Description>  
<DisplayName>Brady Setting Night Rate</DisplayName>  
<ECODE10>731008</ECODE10>  
<UOM\_MDC>{beats}/min</UOM\_MDC>  
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<REFID>MDC\_IDC\_SET\_BRADY\_SENSOR\_TYPE</REFID>  
<SysName>sensor type | brady | setting | idc | mdc</SysName>  
<Description>The type of sensor applied for rate adaptive pacing.</Description>  
<DisplayName>Brady Setting Sensor Type</DisplayName>  
<ECODE10>731072</ECODE10>  
<UOM\_MDC>  
</term>  
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<REFID>MDC\_IDC\_SET\_BRADY\_MAX\_TRACKING\_RATE</REFID>  
<SysName>maximum tracking rate | brady | setting | idc | mdc</SysName>  
<Description>The fastest atrial rate at which ventricular pacing occurs with 1:1 synchrony.</Description>  
<DisplayName>Brady Setting Maximum Tracking Rate</DisplayName>  
<ECODE10>731136</ECODE10>  
<UOM\_MDC>{beats}/min</UOM\_MDC>  
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<REFID>MDC\_IDC\_SET\_BRADY\_MAX\_SENSOR\_RATE</REFID>  
<SysName>maximum sensor rate | brady | setting | idc | mdc</SysName>  
<Description>The fastest sensor-driven pacing rate that can be achieved in a rate-adaptive pacing system.</Description>  
<DisplayName>Brady Setting Maximum Sensor Rate</DisplayName>  
<ECODE10>731200</ECODE10>  
<UOM\_MDC>{beats}/min</UOM\_MDC>  
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<SysName>sav delay\_[HIGHLOW] | brady | setting | idc | mdc</SysName>  
<Description>The interval from an intrinsic (sensed) P wave to a paced ventricular event.</Description>  
<DisplayName>Brady Setting SAV Delay</DisplayName>  
<ECODE10>731264</ECODE10>  
<UOM\_MDC>ms</UOM\_MDC>  
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<SysName>pav delay\_[HIGHLOW] | brady | setting | idc | mdc</SysName>  
<Description>The interval from a paced atrial event to a paced ventricular event.</Description>  
<DisplayName>Brady Setting PAV Delay</DisplayName>  
<ECODE10>731328</ECODE10>  
<UOM\_MDC>ms</UOM\_MDC>  
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<REFID>MDC\_IDC\_SET\_BRADY\_AT\_MODE\_SWITCH\_MODE</REFID>  
<SysName>atrial tachy mode switch mode | brady | setting | idc | mdc</SysName>  
<Description>The atrial tachycardia mode switch mode.</Description>  
<DisplayName>Brady Setting AT Mode Switch Mode</DisplayName>  
<ECODE10>731392</ECODE10>  
<UOM\_MDC>  
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<REFID>MDC\_IDC\_SET\_BRADY\_AT\_MODE\_SWITCH\_RATE</REFID>  
<SysName>atrial tachy mode switch rate | brady | setting | idc | mdc</SysName>  
<Description>The atrial tachycardia mode switch rate.</Description>  
<DisplayName>Brady Setting AT Mode Switch Rate</DisplayName>  
<ECODE10>731456</ECODE10>  
<UOM\_MDC>{beats}/min</UOM\_MDC>  
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<REFID>MDC\_IDC\_SET\_TACHYTHERAPY\_VSTAT</REFID>  
<SysName>ventricular status | tachytherapy | setting | idc | mdc</SysName>  
<Description>The high level programmed status for ventricular tachy therapies.</Description>

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<DisplayName>Tachy Therapy Setting Ventricular Status</DisplayName>
<ECODE10>731520</ECODE10>
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<Enum_Values>_MDC_IDC_ENUM_THERAPY_STATUS</Enum_Values>
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<REFID>MDC_IDC_SET_TACHYTHERAPY_ASTAT</REFID>
<SysName>atrial status | tachytherapy | setting | idc | mdc</SysName>
<Description>The high level programmed status for atrial tachy therapies.</Description>
<DisplayName>Tachy Therapy Setting Atrial Status</DisplayName>
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<REFID>MDC_IDC_SET_ZONE_TYPE</REFID>
<SysName>type | zone | setting | idc | mdc</SysName>
<Description>The general type of the zone for tachy therapy detection. </Description>
<DisplayName>Zone Setting Type Category</DisplayName>
<ECODE10>731648</ECODE10>
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<Enum_Values>_MDC_IDC_ENUM_ZONE_TYPE</Enum_Values>
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<REFID>MDC_IDC_SET_ZONE_VENDOR_TYPE</REFID>
<SysName>vendor type | zone | setting | idc | mdc</SysName>
<Description>The vendor-specific type of the zone for tachy therapy detection. </Description>
<DisplayName>Zone Setting Vendor Type Category</DisplayName>
<ECODE10>731712</ECODE10>
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<REFID>MDC_IDC_SET_ZONE_STATUS</REFID>
<SysName>status | zone | setting | idc | mdc</SysName>
<Description>The status of the zone, whether it is active or not.</Description>
<DisplayName>Zone Setting Status</DisplayName>
<ECODE10>731776</ECODE10>
<UOM_MDC/>
<Enum_Values>_MDC_IDC_ENUM_ZONE_STATUS</Enum_Values>
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<REFID>MDC_IDC_SET_ZONE_DETECTION_INTERVAL</REFID>
<SysName>detection interval | zone | setting | idc | mdc</SysName>
<Description>The upper interval limit of the zone for tachy therapy detection.</Description>
<DisplayName>Zone Setting Detection Interval</DisplayName>
<ECODE10>731840</ECODE10>
<UOM_MDC>ms</UOM_MDC>
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<REFID>MDC_IDC_SET_ZONE_DETECTION_BEATS_NUMERATOR</REFID>
<SysName>detection beats numerator | zone | setting | idc | mdc</SysName>
<Description>The numerator portion of the tachy detection ratio.</Description>
<DisplayName>Zone Setting Detection Beats Numerator</DisplayName>
<ECODE10>731904</ECODE10>
<UOM_MDC>{beats}</UOM_MDC>
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<REFID>MDC_IDC_SET_ZONE_DETECTION_BEATS_DENOMINATOR</REFID>
<SysName>detection beats denominator | zone | setting | idc | mdc</SysName>
<Description>The denominator portion of the tachy detection ratio.</Description>
<DisplayName>Zone Setting Detection Beats Denominator</DisplayName>
<ECODE10>731968</ECODE10>
<UOM_MDC>{beats}</UOM_MDC>
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<REFID>MDC_IDC_SET_ZONE_DETECTION_DETAILS</REFID>
<SysName>detection details | zone | setting | idc | mdc</SysName>
<Description>A text describing arrhythmia detection details.</Description>
<DisplayName>Zone Setting Detection Details</DisplayName>
<ECODE10>732032</ECODE10>
<UOM_MDC/>
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<REFID>MDC_IDC_SET_ZONE_TYPE_ATP_[1..10]</REFID>
<SysName>type anti-tachycardia pacing pulse_[1..10] | zone | setting | idc | mdc</SysName>
<Description>The type of anti-tachycardia pacing (ATP) sequences programmed per ATP type.</Description>
<DisplayName>Zone Setting ATP Type</DisplayName>
<ECODE10>732096</ECODE10>
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<SysName>number of anti-tachycardia pacing pulse sequences_[1..10] | zone | setting | idc | mdc</SysName>
<Description>The number of anti-tachycardia pacing pulse (ATP) sequences programmed per ATP type.</Description>
<DisplayName>Zone Setting Number of ATP Sequences</DisplayName>
<ECODE10>732160</ECODE10>
<UOM_MDC>{seq}</UOM_MDC>
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<REFID>MDC_IDC_SET_ZONE_SHOCK_ENERGY_[1..10]</REFID>
<SysName>shock energy_[1..10] | zone | setting | idc | mdc</SysName>

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<Description>The shock energy delivered at a particular sequence of a zone therapy.</Description>  
<DisplayName>Zone Setting Shock Energy</DisplayName>  
<ECODE10>732224</ECODE10>  
<UOM\_MDC>J</UOM\_MDC>  
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<REFID>MDC\_IDC\_SET\_ZONE\_NUM\_SHOCKS\_[1..10]</REFID>  
<SysName>number of shocks\_[1..10] | zone | setting | idc | mdc</SysName>  
<Description>The maximum number of shocks set to be delivered at the given shock energy.</Description>  
<DisplayName>Zone Setting Number of Shocks</DisplayName>  
<ECODE10>732288</ECODE10>  
<UOM\_MDC>{shocks}</UOM\_MDC>  
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<REFID>MDC\_IDC\_STAT\_DTM\_[STRTEND]</REFID>  
<SysName>date time\_[STRTEND] | statistic | idc | mdc</SysName>  
<Description>The date and time period for the aggregated statistics.</Description>  
<DisplayName>Statistic Date Time</DisplayName>  
<ECODE10>737488</ECODE10>  
<UOM\_MDC></UOM\_MDC>  
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<SysName>date time\_[STRTEND] | heart rate | statistic | idc | mdc</SysName>  
<Description>The date and time period for the heart rate statistics.</Description>  
<DisplayName>Statistic Heart Rate Date Time</DisplayName>  
<ECODE10>737616</ECODE10>  
<UOM\_MDC></UOM\_MDC>  
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<REFID>MDC\_IDC\_STAT\_HEART\_RATE\_ATRIAL\_[MMM]</REFID>  
<SysName>atrial\_[MMM] | heart rate | statistic | idc | mdc</SysName>  
<Description>The mean atrial heart rate over the specified time period.</Description>  
<DisplayName>Statistic Atrial Heart Rate</DisplayName>  
<ECODE10>737632</ECODE10>  
<UOM\_MDC>{beats}/min</UOM\_MDC>  
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<REFID>MDC\_IDC\_STAT\_HEART\_RATE\_VENTRICULAR\_[MMM]</REFID>  
<SysName>ventricular\_[MMM] | heart rate | statistic | idc | mdc</SysName>  
<Description>The mean ventricular heart rate over the specified time period.</Description>  
<DisplayName>Statistic Ventricular Heart Rate</DisplayName>  
<ECODE10>737648</ECODE10>  
<UOM\_MDC>{beats}/min</UOM\_MDC>  
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<SysName>date time\_[STRTEND] | brady | statistic | idc | mdc</SysName>  
<Description>The date time period of the brady statistics.</Description>  
<DisplayName>Brady Statistic Date Time</DisplayName>  
<ECODE10>737504</ECODE10>  
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<REFID>MDC\_IDC\_STAT\_BRADY\_RA\_PERCENT\_PACED</REFID>  
<SysName>right atrial percent paced | brady | statistic | idc | mdc</SysName>  
<Description>The percentage of pacing events in the right atrial chamber over the specified time period.</Description>  
<DisplayName>Brady Statistic RA Percent Paced</DisplayName>  
<ECODE10>737520</ECODE10>  
<UOM\_MDC>%</UOM\_MDC>  
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<REFID>MDC\_IDC\_STAT\_BRADY\_RV\_PERCENT\_PACED</REFID>  
<SysName>right ventricle percent paced | brady | statistic | idc | mdc</SysName>  
<Description>The percentage of pacing events in the right ventricular chamber over the specified time period.</Description>  
<DisplayName>Brady Statistic RV Percent Paced</DisplayName>  
<ECODE10>737536</ECODE10>  
<UOM\_MDC>%</UOM\_MDC>  
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<REFID>MDC\_IDC\_STAT\_BRADY\_AP\_VP\_PERCENT</REFID>  
<SysName>ap-vp percent | brady | statistic | idc | mdc</SysName>  
<Description>The percentage of atrial pace - ventricular pace sequences in relationship to all AV sequences over the specified time period.</Description>  
<DisplayName>Brady Statistic AP VP Percent</DisplayName>  
<ECODE10>737552</ECODE10>  
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<REFID>MDC\_IDC\_STAT\_BRADY\_AS\_VP\_PERCENT</REFID>  
<SysName>as-vp percent | brady | statistic | idc | mdc</SysName>  
<Description>The percentage of atrial sense - ventricular pace sequences in relationship to all AV sequences over the specified time period.</Description>  
<DisplayName>Brady Statistic AS VP Percent</DisplayName>  
<ECODE10>737568</ECODE10>  
<UOM\_MDC>%</UOM\_MDC>  
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<REFID>MDC\_IDC\_STAT\_BRADY\_AP\_VS\_PERCENT</REFID>  
<SysName>ap-vs percent | brady | statistic | idc | mdc</SysName>  
<Description>The percentage of atrial pace - ventricular sense sequences in relationship to all AV sequences over the specified time period.</Description>  
<DisplayName>Brady Statistic AP VS Percent</DisplayName>  
<ECODE10>737584</ECODE10>  
<UOM\_MDC>%</UOM\_MDC>  
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 <SysName>as-vs percent | brady | statistic | idc | mdc</SysName>  
 <Description>The percentage of atrial sense - ventricular sense sequences in relationship to all AV sequences over the specified time period.</Description>  
 <DisplayName>Brady Statistic AS VS Percent</DisplayName>  
 <ECODE10>737600</ECODE10>  
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 <SysName>date time\_[STRTE]ND | atrial tachy | statistic | idc | mdc</SysName>  
 <Description>The date and time period for the AT statistics.</Description>  
 <DisplayName>Atrial Tachy Statistic Date Time</DisplayName>  
 <ECODE10>737664</ECODE10>  
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 <REFID>MDC\_IDC\_STAT\_AT\_MODE\_SW\_MAX\_DURATION</REFID>  
 <SysName>mode switch maximum duration | atrial tachy | statistic | idc | mdc</SysName>  
 <Description>The maximum contiguous time the device is in AT mode switch over the specified time period.</Description>  
 <DisplayName>Atrial Tachy Statistic Maximum Mode Switch Duration</DisplayName>  
 <ECODE10>737680</ECODE10>  
 <UOM\_MDC>s</UOM\_MDC>  
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 <REFID>MDC\_IDC\_STAT\_AT\_BURDEN\_PERCENT</REFID>  
 <SysName>burden percent | atrial tachy | statistic | idc | mdc</SysName>  
 <Description>The percent of time in AT AF per day over the specified time period.</Description>  
 <DisplayName>Atrial Tachy Statistic AT/AF Burden Percent</DisplayName>  
 <ECODE10>737696</ECODE10>  
 <UOM\_MDC>%</UOM\_MDC>  
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 <REFID>MDC\_IDC\_STAT\_AT\_MODE\_SW\_PERCENT\_TIME</REFID>  
 <SysName>mode switch percent of time | atrial tachy | statistic | idc | mdc</SysName>  
 <Description>The percentage of time the device is in AT mode switch over the specified time period.</Description>  
 <DisplayName>Atrial Tachy Statistic Percent Time In Mode Switch</DisplayName>  
 <ECODE10>737712</ECODE10>  
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 <SysName>mode switch percent of time per day | atrial tachy | statistic | idc | mdc</SysName>  
 <Description>The percentage of time per day the device is in AT mode switch over the specified time period.</Description>  
 <DisplayName>Atrial Tachy Statistic Percent Time In Mode Switch Per Day</DisplayName>  
 <ECODE10>737728</ECODE10>  
 <UOM\_MDC>%</UOM\_MDC>  
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 <REFID>MDC\_IDC\_STAT\_AT\_MODE\_SW\_COUNT</REFID>  
 <SysName>mode switch count | atrial tachy | statistic | idc | mdc</SysName>  
 <Description>The number of mode switches over the specified time period.</Description>  
 <DisplayName>Atrial Tachy Statistic Number Of Mode Switches</DisplayName>  
 <ECODE10>737744</ECODE10>  
 <UOM\_MDC>{switches}</UOM\_MDC>  
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 <REFID>MDC\_IDC\_STAT\_AT\_MODE\_SW\_COUNT\_PER\_DAY</REFID>  
 <SysName>mode switch count per day | atrial tachy | statistic | idc | mdc</SysName>  
 <Description>The average number of mode switches per day over the specified time period.</Description>  
 <DisplayName>Atrial Tachy Statistic Number Of Mode Switches Per Day</DisplayName>  
 <ECODE10>737760</ECODE10>  
 <UOM\_MDC>{switches}</UOM\_MDC>  
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 <REFID>MDC\_IDC\_STAT\_CRT\_DTM\_[STRTE]ND</REFID>  
 <SysName>date time\_[STRTE]ND | cardiac resynchronization therapy | statistic | idc | mdc</SysName>  
 <Description>The date and time period for the CRT statistics.</Description>  
 <DisplayName>CRT Statistic Date Time</DisplayName>  
 <ECODE10>737776</ECODE10>  
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 <REFID>MDC\_IDC\_STAT\_CRT\_LV\_PERCENT\_PACED</REFID>  
 <SysName>left ventricle percent paced | cardiac resynchronization therapy | statistic | idc | mdc</SysName>  
 <Description>The percentage of LV pacing events in relation to all LV events over the specified time period.</Description>  
 <DisplayName>CRT Statistic LV Percent Paced</DisplayName>  
 <ECODE10>737792</ECODE10>  
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 <SysName>percent paced | cardiac resynchronization therapy | statistic | idc | mdc</SysName>  
 <Description>The percentage of LV pacing events due to CRT mode in relation to all ventricular events over the specified time period.</Description>  
 <DisplayName>CRT Statistic CRT Percent Paced</DisplayName>  
 <ECODE10>737808</ECODE10>  
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 <REFID>MDC\_IDC\_STAT\_TACHYTHERAPY\_SHOCKS\_DELIVERED\_RECENT</REFID>  
 <SysName>recent shocks delivered | tachy therapy | statistic | idc | mdc</SysName>  
 <Description>The number of shocks applied over the specified time period.</Description>  
 <DisplayName>Tachy Therapy Statistic Recent Shocks Delivered</DisplayName>

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<ECODE10>737824</ECODE10>
<UOM_MDC>{shocks}</UOM_MDC>
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<REFID>MDC_IDC_STAT_TACHYTHERAPY_SHOCKS_DELIVERED_TOTAL</REFID>
<SysName>total shocks delivered | tachy therapy | statistic | idc | mdc</SysName>
<Description>The total number of shocks applied since implantation or device reset.</Description>
<DisplayName>Tachy Therapy Statistic Total Shocks Delivered</DisplayName>
<ECODE10>737840</ECODE10>
<UOM_MDC>{shocks}</UOM_MDC>
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<REFID>MDC_IDC_STAT_TACHYTHERAPY_SHOCKS_ABORTED_RECENT</REFID>
<SysName>recent shocks aborted | tachy therapy | statistic | idc | mdc</SysName>
<Description>The number of shocks aborted over the specified time period.</Description>
<DisplayName>Tachy Therapy Statistic Recent Shocks Aborted</DisplayName>
<ECODE10>737856</ECODE10>
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<SysName>total shocks aborted | tachy therapy | statistic | idc | mdc</SysName>
<Description>The total number of shocks aborted since implantation or device reset.</Description>
<DisplayName>Tachy Therapy Statistic Total Shocks Aborted</DisplayName>
<ECODE10>737872</ECODE10>
<UOM_MDC>{shocks}</UOM_MDC>
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<REFID>MDC_IDC_STAT_TACHYTHERAPY_ATP_DELIVERED_RECENT</REFID>
<SysName>recent anti-tachycardia pacing delivered | tachy therapy | statistic | idc | mdc</SysName>
<Description>The number of anti-tachycardia pacing (ATP) sequences delivered over the specified time period.</Description>
<DisplayName>Tachy Therapy Statistic Recent ATP Delivered</DisplayName>
<ECODE10>737888</ECODE10>
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<SysName>total anti-tachycardia pacing delivered | tachy therapy | statistic | idc | mdc</SysName>
<Description>The total number of anti-tachycardia pacing (ATP) sequences delivered since implantation or device reset.</Description>
<DisplayName>Tachy Therapy Statistic Total ATP Delivered</DisplayName>
<ECODE10>737904</ECODE10>
<UOM_MDC>{seq}</UOM_MDC>
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<REFID>MDC_IDC_STAT_TACHYTHERAPY_TOTAL_DTM_[STRTEND]</REFID>
<SysName>date time_[STRTEND] | total | tachy therapy | statistic | idc | mdc</SysName>
<Description>The date and time period for the total tachy therapy statistics.</Description>
<DisplayName>Tachy Therapy Statistic Total Date Time</DisplayName>
<ECODE10>737920</ECODE10>
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<REFID>MDC_IDC_STAT_TACHYTHERAPY_RECENT_DTM_[STRTEND]</REFID>
<SysName>date time_[STRTEND] | recent | tachy therapy | statistic | idc | mdc</SysName>
<Description>The date and time period for the recent tachy therapy statistics.</Description>
<DisplayName>Tachy Therapy Statistic Recent Date Time</DisplayName>
<ECODE10>737936</ECODE10>
<UOM_MDC>
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<REFID>MDC_IDC_STAT_EPISODE_TYPE</REFID>
<SysName>type | episode | statistic | idc | mdc</SysName>
<Description>The generic type of the episode being reported.</Description>
<DisplayName>Episode Statistic Type Category</DisplayName>
<ECODE10>737951</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_EPISODE_TYPE</Enum_Values>
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<REFID>MDC_IDC_STAT_EPISODE_TYPE_INDUCED</REFID>
<SysName>type induced | episode | statistic | idc | mdc</SysName>
<Description>The indication of whether the episode has been induced or not.</Description>
<DisplayName>Episode Statistic Type Induced</DisplayName>
<ECODE10>737968</ECODE10>
<UOM_MDC>
<Enum_Values>_MDC_IDC_ENUM_EPISODE_TYPE_INDUCED</Enum_Values>
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<REFID>MDC_IDC_STAT_EPISODE_VENDOR_TYPE</REFID>
<SysName>vendor type | episode | statistic | idc | mdc</SysName>
<Description>The vendor type of the episode being reported.</Description>
<DisplayName>Episode Statistic Vendor Type Category</DisplayName>
<ECODE10>737984</ECODE10>
<UOM_MDC>
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<REFID>MDC_IDC_STAT_EPISODE_RECENT_COUNT</REFID>
<SysName>recent count | episode | statistic | idc | mdc</SysName>
<Description>The number of episodes per episode type over the specified time period.</Description>
<DisplayName>Episode Statistic Recent Count</DisplayName>
<ECODE10>738000</ECODE10>
<UOM_MDC>

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  <SysName>date time_[STRTE]ND | recent | episode | statistic | idc | mdc</SysName>
  <Description>The date and time period for the recent episode counts.</Description>
  <DisplayName>Episode Statistic Recent Date Time</DisplayName>
  <ECODE10>738016</ECODE10>
  <UOM_MDC>
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  <REFID>MDC_IDC_STAT_EPISODE_TOTAL_COUNT</REFID>
  <SysName>total count | episode | statistic | idc | mdc</SysName>
  <Description>The number of episodes per episode type since implantation or device reset.</Description>
  <DisplayName>Episode Statistic Total Count</DisplayName>
  <ECODE10>738032</ECODE10>
  <UOM_MDC>
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  <SysName>date time_[STRTE]ND | total | episode | statistic | idc | mdc</SysName>
  <Description>The date and time period for the total episode counts.</Description>
  <DisplayName>Episode Statistic Total Date Time</DisplayName>
  <ECODE10>738048</ECODE10>
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