IHE Change Proposal

Tracking information:

IHE Domain	Devices (DEV)
Change Proposal ID:	CP-DEV-010
Change Proposal Status:	Submitted
Date of last update:	
Person assigned:	

Change Proposal Summary information:

Clarify OBX and ED segments	
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Submission Date:	
Integration Profile(s) affected:	PCD-09 Implantable Device Cardiac Observation
Actor(s) affected:	Device observation reporter, device observation consumer
IHE Technical Framework or Supplement modified:	Patient Care Devices Technical Framework
Volume(s) and Section(s) affected:	Volume 2, 3.9.4.1.2.5-3
Rationale for Change: Updates to clarify OBX and ED segment details.	

Updates to Table 3.9.4.1.2.5-2 and notes:

Table 3.9.4.1.2.5-2: IEEE to HL7 Data Type Matching

Applicable IEEE 11073 MDC_IDC types	HL7 v2 data type
String	ST
Enumerated	CWE or CNE
Date Time	DTM
Numeric	NM
Structured Numeric	SN (see Note)
Encapsulated Data	**ED (see Note 2)**

Note: The Structured Numeric type (SN) is used for numeric terms that require qualifications. SN types may be qualified as >Num1 or <Num1 to express a 'greater than' or 'less than' relationship using the 'comparator' character > or < 1605 respectively. Alternatively, a numeric ratio between two values Num1 and Num2 may be expressed using the Separator/Suffix characters '/' (solidus) or ':' (either character may be used).

Note 2: The ED data type shall be restricted to use for encapsulated PDFs and reference pointers per section 3.9.4.1.2.7

Replace Section 3.9.4.1.2.5 sub-section for "OBX-4 Observation Sub-ID" as follows:

OBX-4 Observation Sub-ID – ~~If a value is provided here the embedded PDF will contain data related to a specific episode or EGM being referenced via grouping to other episode related data elements having the same Sub-ID in OBX-4 inside this message.~~ **The sub-ID in OBX-4 shall be unique for each OBX-3 data value triplets. The combined OBX-3 and OBX-4 data values shall be unique within each message. If a value is provided in OBX-4, the value is a Sub-ID which associates the observation value with other observation values having the same Sub-ID within the same containment node within the message. If a value is provided in OBX-4 for an OBX segment containing an encapsulated PDF or reference pointer to external report, the encapsulated PDF or reference pointer to external report is assumed to be associated with a specific episode having the same Sub-ID within the message, see section 3.9.4.1.2.7 for details. An encapsulated PDF or reference pointer to external report that is not associated with an episode may be included in a message. If so, OBX-4 shall be blank.**

Add the following rows to Table 3.9.4.1.2.7-1: OBX Segment:

Table 3.9.4.1.2.7-1: OBX Segment

1. Table 3.9.4.1.2.7-1: OBX Segment

Name	Seq	DT	Len	Opt	Rep	Min	Max	Tbl	Fixed Value	Ex Val
Set ID - OBX	1	SI	4	R	False	1	1			
Value Type	2	ID	2	R	False		1	0125	Y	ED
Observation Identifier	3	CWE	478	R	False	1	1			
identifier	*1*	ST	20	R		1	1		Y	18750-0
Text	2	ST	199	R		1	1		Y	Cardiac Electrophysiology Report
name of coding system	*3*	ID	20	R		0	1	0396	Y	LN
alternate identifier	***4***	**ST**	**255**	**RE**		**0**	**1**			**file_name_example.pdf**
alternate text	***5***	**ST**	**100**	**RE**		**0**	**1**			**Example Cardiac Device Report**

Apply the following updates to Section 3.9.4.1.2.7:

OBX-3 - This field contains the coding system identifier (LOINC) and further information about the file name and content.

OBX-3.1 - 3.3 - Value is a report ID from the LOINC coding system, and will be set to `187500^Cardiac Electrophysiology Report^LN.`

OBX-3.4 This field can be used to include a file name. Include the full file name with extension as applicable. Special characters shall not be used.

OBX-3.5 This field can be used to include a document title which can be used for display purposes. The document title shall be in the language specified in MSH-19 within the message.

OBX-4 If a value is provided here the embedded PDF will contain data related to a specific episode or EGM being referenced via grouping to other episode related data elements having the same Sub-ID in OBX-4 inside this message. **An encapsulated PDF or reference pointer to external report that is not associated with an episode may be included in a message. If so, OBX-4 shall be blank.**