

IHE Change Proposal

Tracking information:

IHE Domain	Patient Care Devices
Change Proposal ID:	CP-PCD-086-00
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Person assigned:	John Rhoads

Change Proposal Summary information:

Associating specific PDF files with an episode group	
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Integration Profile(s) affected:	Implantable Device – Cardiac – Observation
Actor(s) affected:	None
IHE Technical Framework or Supplement modified:	IHE Patient Care Device (PCD) Technical Framework; Volume 2; Revision 1.0; August 12, 2011
Volume(s) and Section(s) affected:	Volume 2 (PCD TF-2); Section 3.9.4.1.2.7
Rationale for Change:	
1. We need a means of associating a specific PDF in the message with an episode group, if that PDF contains only the captured waveform for that episode.	

Proposed Changes:

Add the Observation Sub-ID row to Table 3.9.4.1.2.7-1: OBX Segment as follows:

Name	Seq	DT	Len	Opt	Rep	Min	Max	Tbl	Fixed Value	Ex Val
Set ID - OBX	1	SI	4	R	False	0	1			
Value Type	2	ID	2	R	False	0	1	0125	Y	ED
Observation Identifier	3	CWE	478	R	False	1	1			
<i>identifier</i>	1	ST	20	R		1	1		Y	18750-0
<i>Text</i>	2	ST	199	R		0	1		Y	Cardiac Electrophysiology Report
<i>name of coding system</i>	3	ID	20	R		0	1	0396	Y	LN
Observation Sub-ID	4	ST	20	RE	False	0	1			1
Observation Value	5	ED	99999	R	True	0	*			Encapsulated PDF
<i>source application</i>	1	ST	10	RE		1	1		Y	Application
<i>type of data</i>	2	ST	10	RE		1	1		Y	PDF
<i>Encoding</i>	4	ST	10	RE		1	1		Y	Base64
<i>Data</i>	5	ED	*	RE		1	1		Y	Encapsulated and Base64 binary encoded PDF File
Observation Result Status	11	ID	1	R	False	1	1	0085		
Date/Time of the Observation	14	TS	26	RE	False	0	1			

Name	Seq	DT	Len	Opt	Rep	Min	Max	Tbl	Fixed Value	Ex Val
<i>Time</i>	1	DTM	24	R		1	1			20040328134623.1234+0300

Replace the text describing OBX field usage following Table 3.9.4.1.2.7-1 as follows:

OBX-2 If sending an encapsulated PDF the value will be ED. If referencing an external report the value will be RP.

OBX-3 Value is a report ID from the LOINC coding system, and will be set to 18750-0^Cardiac Electrophysiology Report^LN.

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.

OBX-5 If referencing an external document the Observation Value will contain a reference pointer to the external document.

OBX-5.1 If sending an encapsulated PDF the Type of Data component will have the value “Application”

OBX-5.2 If sending an encapsulated PDF the Data Subtype component will have the value “PDF”.

~~OBX-5.3 Not used for an encapsulated PDF.~~

OBX-5.3 will be empty.

OBX-5.4 If sending an encapsulated PDF the Encoding component will have the value “Base64”.

OBX-5.5 If sending an encapsulated PDF the Data component contains the encapsulated Base64-encoded PDF/A document in accordance with ISO 19005-1.

- Notes:
1. An actor participating in this transaction must support encapsulated data with a length beyond the nominal 65536 byte limit of the OBX-5.
 2. The base64 encoded stream must not include CR/LF characters, which are forbidden within HL7 field text streams. Breaking a base64 encoded stream into lines of 76 characters or less is used for email in accordance with RFC 822, but is not applicable to encapsulated data in HL7.
The attached PDF or externally referenced report will contain in its content the device ID, patient ID and name if known, and the dates of the procedure and document.