IHE Change Proposal

Tracking information:

IHE Domain	Patient Care Devices
Change Proposal ID:	CP-PCD-066
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Person assigned:	John Rhoads

Change Proposal Summary information:

HL7 version update to 2.6	
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Submission Date:	April 05, 2012
Integration Profile(s) affected:	Implantable Device – Cardiac – Observation
Actor(s) affected:	Implantable Device – Cardiac – Reporter Implantable Device – Cardiac – Consumer
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); 3.9 (various sub-sections)
Rationale for Change: 1. Update the specified HL7 version from 2.5 to 2.6. This is required to bring the IDCO profile in-line with other Patient Care Device profiles with the goal for Consummers to simplify implementation similar to other profiles.	

Proposed Changes:

Replace Section 3.9.3 by the following and add Note:

3.9.3 Referenced Standard

HL7 Messaging Standard v2.~~5~~6

NOTE – The IDCO is functional with HL7 Messaging Standard v2.5. The only change required is when specifying in the message header which version is being used.

ISO 19005-1. Document management – Electronic document file format for long-term preservation – Part 1: Use of PDF (PDF/A)

UCUM: Unified Code for Units of Measure, Regenstrief Institute for Health Care, Indianapolis 2005. Version 1.6

IEEE 11073_10103-2012 Standard for Health informatics - Point-of-care medical device communication - Nomenclature - Implantable device, cardiac

Replace Section 3.9.4.1 by the following:

3.9.4.1 HL7 ORU Observation

This is a standard HL7 v2.~~5~~6 unsolicited orders and observation message containing the observations taken by the implanted device. Information is coded using the IEEE 11073-10103 IDC Nomenclature.

Replace Section 3.9.4.1.2 by the following:

3.9.4.1.2 Message Semantics

The message is an unsolicited v2.~~5~~6 ORU message from the Implantable Device – Cardiac – Reporter to the Implantable Device – Cardiac – Consumer with a corresponding ACK message back to the Implantable Device – Cardiac – Reporter. The contents of the message (in OBX segments) are a required set of individual observations or measurements trans-coded into separate HL7 v2.~~5~~6 OBX segments and an optional encapsulated PDF document.

Refer to the HL7 v2.~~5~~6 Standard, Chapter 7 ORU Message for general message semantics.

The constrained message structure is given in Table 3.9.4.1.2-1, with additional details provided in sections below.

Replace Section 3.9.4.1.2.2 (PID-3.1) by the following:

PID-3.1 Patient Identifier List

ID Number contains a unique identifier for the patient assigned by the Implantable Device – Cardiac – Reporter. Identifier Type Code is constrained by Table 0203 listed below (others can be included as defined in the 2.~~5~~6 standard). The first identifier will always be the unique model/serial number of the implanted device with an identifier of type U (see table following). This will be used by the Implantable Device – Cardiac – Consumer / Repository actor to match the device interrogations with the patient accounts. Assigning Authority will be a unique name of the Implantable Device – Cardiac – Reporter system or owning organization that creates the observation and will be coded using the MDC_IDC Nomenclature, MDC_IDC_DEV_MFG term.