IHE Change Proposal

Tracking information:

IHE Domain	Patient Care Devices
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Person assigned:	Al Englebert

Change Proposal Summary information:

Clarification of MSA-1 (Acknowledgment Code) Values in PCD-03	
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Submission Date:	06/05/2012
Integration Profile(s) affected:	Point-of-Care Infusion Verification (PIV)
Actor(s) affected:	None
IHE Technical Framework or Supplement modified:	Technical Framework Revision 1.0 – Final Text (08/12/2011)
Volume(s) and Section(s) affected:	Volume 2, Section 3.3.4.4.9 (Expected Actions)
Rationale for Change: To provide guidance on the appropriate values to use in MSA-1 (Acknowledgment Code) in the PCD-03 (Communicate Infusion Order) transaction.	

Replace Section 3.3.4.4.9 with the following:

The Pharmacy/Treatment Give Message (RGV^O15^RGV_O15) is sent from the Infusion Order Programmer to the Infusion Order Consumer.

The receiving system validates the message and responds with an accept acknowledgment message (ACK^O15^ACK). If an error condition is detected and if MSH-16 (Application Acknowledgement Type) in the RGV^O15^RGV_O15 message is valued as "ER" or "AL", the IOC responds with a Pharmacy/Treatment Give Acknowledgment Message (RRG^O16^RRG_O16).

If the message ~~passes review~~ **is accepted** by the IOC, the accept acknowledgment will contain the value CA in MSA-1. **If not, the accept acknowledgment will contain either CR or CE, based upon HL7 enhanced acknowledgment rules (see HL7 v2.6, Section 2.9.3.2).**

Message acceptance is based on:

- All required segments and fields are present
- No incorrect data types are present.

- Validation of fields that must contain specific values as defined in the Technical Framework (e.g., MSH-21 must be "1.3.6.1.4.1.19376.1.6.1.3.1").

If MSH-16 (Application Acknowledgement Type) is valued as "ER" or "AL", the IOC may report an application acknowledgement error using the Pharmacy/Treatment Give Acknowledgement Message (RRG^O16^RRG_O16) for errors such as:
- Unknown device
- Dose/rate and volume are not within vendor parameters for the device type.
- Drug is not present in onboard library.

If the message from the Infusion Order Programmer is rejected, the acknowledgement will contain the value AR or AE in MSA-1**, based upon HL7 enhanced acknowledgment rules (see HL7 v2.6, Section 2.9.2.2)**. The reason for rejection is provided in the ERR segment.

Once the programming information is received by the pump, the clinician may choose to do one of the following: (1) confirm the settings on the pump and then start the infusion, (2) enter or modify one or more settings and then start the infusion, or (3) cancel the program altogether.

Once the infusion is started, the settings actually programmed as well as the current state of the infusion can be obtained using the PCD-01 (Communicate PCD Data) transaction.