# IHE Change Proposal

Tracking information:

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| --- | --- |
| IHE Domain | Patient Care Device (PCD) |
| Change Proposal ID: | CP-PCD-145 |
| Change Proposal Status: | Submitted |
| Date of last update: | 2019-09-08 |
| Person assigned: | Monroe Pattillo |

Change Proposal Summary information:

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| --- | --- |
| Alert Timing Diagram | |
| Submitter’s Name(s) and e-mail address(es): | Monroe Pattillo, monroe.pattillo@gmail.com |
| Submission Date: | 2019-09-05 |
| Integration Profile(s) affected: | Alert Communication Management (ACM) |
| Actor(s) affected: | Alert Reporter (AR) |
| IHE Technical Framework or Supplement modified: | ACM profile in PCD TF revision 8.0, dated Oct 23, 2018 |
| Volume(s) and Section(s) affected: | IHE PCD TF Vol 2, section 3.5.4.1.5 Expected Actions |
| Rationale for Change:  As a part of the Quiet Hospital Working Group (WG) effort a diagram was created and reviewed within that WG and within the Alert Communication Management (ACM) WG. The diagram depicts the alert dissemination progress triggers back to the ACM Alert Reporter (AR) actor for passing to the alert source. This diagram contains consolidated information that is useful to alert sources in deciding whether or not and when to change the state of their local alarm audio without the need for any direct commands from other actors to change the state of the local alarm audio.  This change proposal is to include this diagram in the ACM profile within the PCD Technical Framework (TF) to the end of the section describing AR actor expected actions in response to PCD-05 transactions from the Alert Manager (AM) actor to the AR actor. If the text at the bottom of the diagram is easier to integrate into the section text than to retain it in the diagram that would be acceptable. | |

Add the below diagram to the end of section 3.5.4.1.5 Expected Actions, page 48, before line 1215

The Alert Source local alarm audio activation decision points: T=traditional, P=paused, I=Immediately activate

Alert source always retains responsibility for its local alarm audio activation and the decision to pause or inactivate local alarm audio

ACM AM and AC actors and endpoint communication device never overtly request AR actor or alert source to pause or end local alarm audio

AR and likely AM will not always know of all the notification destinations (assignment groups & alternates)

A single PCD-04 from an AR actor is likely to result in numerous PCD-06, PCD-07, and PCD-05 transactions

While some endpoint destinations/operators may be undeliverable, timeout, or reject others may accept, and may reject after an accept

Alert Reporter

(AR)

Alert Manager

(AM)

Alert Communicator

(AC)

Alert Source

Endpoint

Communication

Device

Report Alert (PCD-04)

Alert Trigger



T



P

Report Dissemination Alert Status (PCD-07 Received by Gateway [AC])

Report Alert Status

(PCD-05 Received by Gateway [AC])

Communicate Alert

Received by AC

Disseminate Alert (PCD-06)

Report Alert

(PCD-04 ACK)

Delivered to AM

Delivery timeout



P



I



P

Report Dissemination Alert Status (PCD-07 Delivered)

Report Alert Status

(PCD-05 Delivered)

Alert Delivered

Delivered to endpoint communication device



P

Report Alert Status

(PCD-05 Read)

Alert Read

Report Dissemination Alert Status (PCD-07 Read)

Read by endpoint communication device

Operator

Read



P

Report Alert Status

(PCD-05 Accept)

Alert Accept

Report Dissemination Alert Status (PCD-07 Accept)

Accepted by an endpoint operator

Operator

Accept



P

Report Alert Status

(PCD-05 Undeliverable)

Report Dissemination Alert Status (PCD-07 Undeliverable)

Undeliverable to endpoint communication device



I

Report Alert Status

(PCD-05 Reject)

Alert Reject \*1

Report Dissemination Alert Status (PCD-07 Reject)

Rejected by an endpoint operator

Operator

Reject



I

\*1 this reject by recipient who knows they are unavailable

\*2 this is follow up reject by previous accept who has become unavailable

Operator

Reject

Report Alert Status

(PCD-05 Reject)

Alert Reject \*2

Report Dissemination Alert Status (PCD-07 Reject)

Rejected by an endpoint operator



I