**Quiet Hospital ACM Alert Timing Diagram**

(actors left to right, time top to bottom)

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

\*3 what the ACM AM actor does with this is outside the scope of ACM

Operator

Reject

Report Alert Status

(PCD-05 Reject)

Alert Reject \*2

Report Dissemination Alert Status (PCD-07 Reject)

Rejected by an endpoint operator



I

Report Alert (PCD-04) \*3

Audio Inactivation



P

Report Alert (PCD-04) \*3

Alert End



P