

Clarification Request

Request from: Roland Laird; rlaird@reliablecontrols.com

References: BTL Specified Tests, Test 9.4.X1 ConfirmedEventNotification Simple Presentation

Stage: ☒Request, ☒Listed, ☒Analysis, ☒Resolved

Background / Proposed Solution:

An OWS is required to receive and display events of all 3 forms of the BACnetTimestamp. The Time Stamp of a sequenceNumber does not actually contain any direct indication of time the event occurred. It would seem more logical to present to the user the actual time that the event was received by the OWS rather than the sequenceNumber itself. The sequenceNumber would be maintained by the OWS and used for acknowledging the event.

Test Steps:

1. MAKE (O₁ transition)
2. RECEIVE ConfirmedEventNotification-Request,
 SOURCE = D₁,
 DESTINATION = IUT,
 'Process Identifier' = (a valid process identifier specified by the IUT vendor),
 'Initiating Device Identifier' = D₁,
 'Event Object Identifier' = O₁,
 'Time Stamp' = (current time in any format),
 'Notification Class' = (any valid notification class),
 'Priority' = (any valid priority),
 'Event Type' = (any standard event type),
 'Message Text' = (any character string),
 'Notify Type' = ALARM | EVENT,
 'AckRequired' = TRUE | FALSE,
 'From State' = (state S₁, any valid state for this event type),
 'To State' = (state S₂, any valid state for this event type that can follow S₁),
 'Event Values' = (any values appropriate to the event type)
3. RECEIVE BACnet-SimpleACK-PDU,
 SOURCE = IUT,
 DESTINATION = D₁
4. CHECK (that the IUT indicates the notification to the operator and that the indication includes identification of the event generating object or the monitored object, the event timestamp, and the event Message Text)
5. CHECK (that all information indicated to the user is consistent with the information provided in step 1)

Passing Result: The IUT is shall truncate the message text if it is longer than the maximum length displayable by the IUT. The IUT is allowed to include characters in the displayed text that indicate the message has been truncated, even if the truncated message is then shorter than 32 characters. The IUT shall not truncate Message Text that is less than or equal to 32 characters in length.

Question:

Is it acceptable for an OWS to display the local time and date when an event with a timestamp of type sequenceNumber is received rather than the sequenceNumber itself?

Response:

No. The order in which the events are received could be different from the order in which the events are sent from the initiating device. Therefore, it is necessary to present the user with the actual timestamp (sequence, time, or DateTime) included within the notification. The client may also present the time when the event was received however this is not required.