

Clarification Request

References: ASHRAE 135.1-2007, BTL Specified Tests-5.0.final

Background:

Clause 13.8.1.4 Event Object Identifier states that:

This parameter, of type BACnetObjectIdentifier, shall specify the Object_Identifier of the object that is initiating the notification. This parameter is used by the AcknowledgeAlarm service to identify the object whose notification is being acknowledged.

In the Algorithmic case, the Event Enrollment object is initiating the notification not the referenced Object. If the Event Object Identifier = the referenced Object of the Event Enrollment object, how would the AcknowledgeAlarm service be constructed to reference the notification-initiating object which is the Event Enrollment object and not the referenced Object?

Proposed Solution:

Test **BTL-8.4.4 COMMAND_FAILURE Tests** states:

5. BEFORE Notification Fail Time

RECEIVE ConfirmedEventNotification-Request,

'Process Identifier' = (any valid process ID),

'Initiating Device Identifier' = IUT,

'Event Object Identifier'=(the intrinsic reporting object being tested or the object referenced by the Event Enrollment object being tested),

'Time Stamp' = (the current local time),

'Notification Class' = (the configured notification class),

'Priority' = (the value configured to correspond to a TO-OFFNORMAL transition),

'Event Type' = COMMAND_FAILURE,

'Notify Type' = EVENT | ALARM,

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'AckRequired' = TRUE | FALSE,
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'From State' = NORMAL.

'To State' = OFFNORMAL.

'Event Values' = Present_Value, Status_Flags, Feedback_Value

And

12. BEFORE Notification Fail Time

RECEIVE ConfirmedEventNotification-Request.

'Process Identifier' = (any valid process ID),

'Initiating Device Identifier' = IUT,
 'Event Object Identifier' = (the intrinsic reporting object being tested or the
 object referenced by the Event Enrollment object
 being tested),
 'Time Stamp' = (the current local time),
 'Notification Class' = (the configured notification class),
 'Priority' = (the value configured to correspond to a TO-
 NORMAL transition),
 'Event Type' = COMMAND_FAILURE,
 'Notify Type' = EVENT | ALARM,
 'AckRequired' = TRUE | FALSE,
 'From State' = OFFNORMAL,
 'To State' = NORMAL,
 'Event Values' = Present_Value, Status_Flags, Feedback_Value

Change to:

5. BEFORE Notification Fail Time

RECEIVE ConfirmedEventNotification-Request,
 'Process Identifier' = (any valid process ID),
 'Initiating Device Identifier' = IUT,
~~'Event Object Identifier' = (the intrinsic reporting object being tested or the~~
~~object referenced by the Event Enrollment object~~
~~being tested),~~
'Event Object Identifier' = (the intrinsic reporting object being tested or the
Event Enrollment object being tested),
 'Time Stamp' = (the current local time),
 'Notification Class' = (the configured notification class),
 'Priority' = (the value configured to correspond to a TO-
 OFFNORMAL transition),
 'Event Type' = COMMAND_FAILURE,
 'Notify Type' = EVENT | ALARM,
 'AckRequired' = TRUE | FALSE,
 'From State' = NORMAL,
 'To State' = OFFNORMAL,
 'Event Values' = Present_Value, Status_Flags, Feedback_Value

And

12. BEFORE Notification Fail Time

RECEIVE ConfirmedEventNotification-Request,
 'Process Identifier' = (any valid process ID),
 'Initiating Device Identifier' = IUT,
~~'Event Object Identifier' = (the intrinsic reporting object being tested or the~~
~~object referenced by the Event Enrollment object~~
~~being tested),~~

*'Event Object Identifier' =(the intrinsic reporting object being tested or the
Event Enrollment object being tested),*
'Time Stamp' = (the current local time),
'Notification Class' = (the configured notification class),
'Priority' = (the value configured to correspond to a TO-
NORMAL transition),
'Event Type' = COMMAND_FAILURE,
'Notify Type' = EVENT | ALARM,
'AckRequired' = TRUE | FALSE,

Corresponding changes to be made to tests **BTL - 8.4.5, BTL - 8.4.6, and BTL - 8.4.7**

Response:

Yes, the proposed changes are correct.