

Clarification Request

References: Testsource: 135.1-2009g,135.1-2013

Date of BTL-WG Response: 05-May-2016

☒ All actions necessitated have been completed

Background:

Shouldn't the test be changed to accept acknowledgement by value Offnormal as well as 'To State' = S1?

8.1 AcknowledgeAlarm Service Initiation Tests

Dependencies: None.

BACnet Reference Clause: 13.5.

Purpose: To verify that the IUT is capable of acknowledging alarms and events that are reported to the IUT via the ConfirmedEventNotification and UnconfirmedEventNotification services.

Configuration: For this test, the tester shall choose 1 object, O1, in the TD, which is configured to send event notifications to the IUT. The tester places O1 into an alarm state such that the transition requires an acknowledgment.

Test Steps:

1. TRANSMIT ConfirmedEventNotification-Request | UnconfirmedEventNotification-Request,
 'Subscriber Process Identifier' = (a value acceptable to the IUT configured in the Notification Class
 object for the IUT),
 'Initiating Device Identifier' = TD,
 'Event Object Identifier' = O1,
 'Time Stamp' = (any valid value, T1),
 'Notification Class' = (the value configured in O1),
 'Priority' = (any value selected by the TD),
 'Event Type' = (any value selected by the TD),
 'Notify Type' = ALARM | EVENT,
 'AckRequired' = TRUE,
 'From State' = (any valid value),
 'To State' = (any valid value, S1),
 'Event Values' = (any event values appropriate to the event type)
2. IF (the ConfirmedEventNotification choice was selected) THEN
 RECEIVE BACnet-SimpleACK-PDU
3. MAKE (the IUT acknowledge O1)
4. RECEIVE AcknowledgeAlarm-Request,
 'Acknowledging Process Identifier' = (any process identifier),
 'Event Object Identifier' = O1,
 'Event State Acknowledged' = S1,
 'Time Stamp' = T1,
 'Acknowledgement Source' = (any valid value),
 'Time of Acknowledgement' = (any valid value)
5. TRANSMIT BACnet-SimpleACK-PDU

Reference to the Standart 135-2012**13.5.1.1.3 Event State Acknowledged**

This parameter, of type BACnetEventState, shall match the value of the 'To State' from the event notification that is being acknowledged. The 'Event State Acknowledged' matches the 'To State' if they are equal, or if 'Event State Acknowledged' is OFFNORMAL and 'To State' is any "offnormal" state (such as HIGH_LIMIT). This parameter is included so that the remote device that initiated the event notification can ensure that the state being acknowledged is recorded in the Acked_Transitions property of the initiating object.

An 'Event State Acknowledged' of OFFNORMAL shall match any off-normal event state.

Questions:

If in Step 1, 'To State' S1 = high-limit or low-limit or life-safety-alarm

And

If Server Device Property Protocol_Revision is ≥ 12

Then

In Step 4

Shouldn't the tests be changed to accept value 'To State' = S1 or Offnormal as well?

Response:

The proposed change is correct if S1 is an offnormal value. The test will be changed to be more lenient accordingly.