

Clarification Request

References: BTL Test Plan 14.0.final, ASHRAE 135.1-2013 test 7.3.2.27, 7.3.2.28

Date of BTL-WG Response: 01-Dec-2016

☒ All actions necessitated have been completed

Background:

135.1-2013 test 7.3.2.27

This test seems to have been messed up when being transferred from BTL Specified Tests 12.0 7.3.2.26.X3 to ASHRAE 135.1-2013 as 7.3.2.27. See also BTL-WG wID1019 and wID1050.

The correction of the MORE_ITEMS Result Flag also applies to test 7.3.2.28.

7.3.2.27 Internal Logging of ACK_NOTIFICATIONs

Purpose: To verify the IUT correctly collects and represents an ACK_NOTIFICATION which it initiates.

Test Concept: Make the IUT generate an ACK_NOTIFICATION message. Use ReadRange to retrieve that same event from an Event Log and compare the two representations. If the IUT does not support logging of the ACK_NOTIFICATIONs which it initiates, this test shall be skipped.

Configuration Requirements: O1 is an event initiating object in the IUT, which is configured to send event notifications to TD. LO1 is an Event Log object in IUT which logs ACK_NOTIFICATIONs.

Test Steps:

1. WRITE Enable = TRUE
2. READ RC = LO1, Record_Count
- 3-2. MAKE (the IUT generate a notification)
- 4-3. RECEIVE ConfirmedEventNotification-Request,
 'Process Identifier' = (PI1, any valid process identifier),
 'Initiating Device Identifier' = IUT,
 'Event Object Identifier' = O1 ,
 'Time Stamp' = (T1, any valid timestamp),
 'Notification Class' = (N1, any valid notification class),
 'Priority' = (P1, any valid priority),
 'Event Type' = (ET1, any standard event type),
 'Message Text' = (any character string),
 'Notify Type' = ALARM | EVENT,
 'AckRequired' = TRUE | FALSE,
 'From State' = (S1, any valid state for this event type),
 'To State' = (S2, any valid state for this event type),
 'Event Values' = (any values appropriate to the event type)
- 5-4. TRANSMIT BACnet-SimpleACK-PDU
- 6-5. TRANSMIT AcknowledgeAlarm-Request,

'Acknowledging Process Identifier' = (any valid value),

'Event Object Identifier' = O1,

'Event State Acknowledged' = S2,

'Time Stamp' = T1,

'Time of Acknowledgment' = (the current time)

7-6. RECEIVE BACnet-SimpleACK-PDU

8-7. BEFORE Notification Fail Time

RECEIVE ConfirmedEventNotification-Request,

'Process Identifier' = P11,

'Initiating Device Identifier' = IUT,

'Event Object Identifier' = O1,

'Time Stamp' = (T2, any valid timestamp > T1),

'Notification Class' = N1,

'Priority' = P1,

'Event Type' = ET1,

'Message Text' = (any character string),

'Notify Type' = ACK_NOTIFICATION,

'From State' = S1

9-8. TRANSMIT BACnet-SimpleACK-PDU

9. READ RC = LO1, Record Count

10. TRANSMIT ReadRange-Request,

'Object Identifier' = LO1,

'Property Identifier' = Log_Buffer,

'Reference Index' = RC,

'Count' = -1

11. RECEIVE ReadRange-ACK,

'Object Identifier' = LO1,

'Property Identifier' = Log_Buffer,

'Result Flags' = {FALSE, ?, **TRUEFALSE**},

'Item Count' = 1,

'Item Data' = (logged data that matches the information received in step **47**, except that Process_Identifier can be any value and is not required to match)

Notes to Tester: When the UnconfirmedEventNotification service is used instead of the ConfirmedEventNotification service, the TD shall skip the steps in which SimpleACK-PDUs are sent in response to ConfirmedEventNotifications.

Question:

Are the above changes correct?

Response: Yes.