

Clarification Request

References: BTL Specified Tests 15.0.Final; BACnet Standard 135-2016

Date of BTL-WG Response: 19-Sept-2019

All Actions Necessitated have been Completed

Background:

8.11.X1.3 Change of Value Notification Arrives after Subscription has Expired

Reason for Change: New test to support DS-COVP-A testing

Purpose: To verify that an appropriate error is returned if a COV notification arrives after the subscription time period has expired.

Test Concept: A subscription for COV notifications is established, using a Lifetime of L. L shall be set to a value less than 24 hours and large enough to complete the test.

Test Steps:

1. MAKE (the IUT send a SubscribeCOVProperty-Request),
2. RECEIVE SubscribeCOVProperty-Request
 - 'Subscriber Process Identifier' = (any valid process identifier),
 - 'Monitored Object Identifier' = X
 - 'Issue Confirmed Notifications' = TRUE,
 - 'Lifetime' = L,
 - 'Monitored Property Identifier' = (the property Y to be monitored), BACnet Testing Laboratories - Specified Tests
 - 'COV Increment' = (Any REAL value -- optional)
3. TRANSMIT BACnet-SimpleACK-PDU
4. BEFORE Notification Fail Time
 - TRANSMIT ConfirmedCOVNotification-Request,
 - 'Subscriber Process Identifier' = (the process identifier used in step 1),
 - 'Initiating Device Identifier' = TD,
 - 'Monitored Object Identifier' = X
 - 'Time Remaining' = (any value appropriate for the Lifetime selected),
 - 'List of Values' = (values appropriate to the property Y subscribed to, and any other properties the IUT provides with it, such as Status_Flags)
 - RECEIVE BACnet-SimpleACK-PDU
 - 4a. MAKE (the IUT stop resubscribing, if it resubscribes automatically)**
5. WAIT (a value two times Lifetime)
6. TRANSMIT ConfirmedCOVNotification-Request,
 - 'Subscriber Process Identifier' = (the process identifier used in step 1),
 - 'Initiating Device Identifier' = TD,
 - 'Monitored Object Identifier' = X
 - 'Time Remaining' = (any value appropriate for the Lifetime selected),
 - 'List of Values' = (values appropriate to the property Y subscribed to, and any other properties the IUT provides with it, such as Status_Flags)
7. IF (Protocol_Revision is present and Protocol_Revision \geq 10) THEN
 - RECEIVE BACnet-Error-PDU,
 - Error Class = SERVICES,
 - Error Code = (UNKNOWN_SUBSCRIPTION) |

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(BACnet-SimpleACK-PDU)
ELSE
  RECEIVE BACnet-Error-PDU,
    Error Class = SERVICES,
    Error Code = (any valid error code for class SERVICES) |
  (BACnet-SimpleACK-PDU)
```

Problem:

In the analogue test for COV (9.2.2.1), there is a MAKE step before the WAIT step, which ends the automatic resubscription of the IUT. This step is missing here, so that the IUT continues to renew the subscription cyclically.

Question:

1. Should the test be changed as outlined above?
2. Should the wording of the two tests be aligned?

Response:

1. **YES**
2. **BTL-WG will review wording and ensure that the tests are consistent.**