

## 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-COV-P-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) |

```
(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.