

Clarification Request

References: 135-1-2019.pdf and 135.2016.pdf

Stage: Request, Listed, Analysis, Resolved

Actions necessitated: Checklist/Test Plan change, BTL Specified Tests change,
SSPC Interpretation required, Implementation Guidelines change,

Date of BTL-WG Response: _____
All actions necessitated have been completed

Background:

Following is the snapshot 135.1.2019 - 9.10.1.8 Updating Existing Subscriptions test case

9.10.1.8 Updating Existing Subscriptions

Purpose: To verify that the IUT correctly responds to a SubscribeCOV request to update the lifetime of a subscription. Either confirmed or unconfirmed notifications may be used but at least one of these options must be supported by the IUT.

Test Concept: A subscription for COV notifications is made for 60 seconds. Before that subscription has expired a second subscription is made for 300 seconds. When the notification is sent in response to the second subscription the lifetime is checked to verify that it is greater than 60 but less than 300 seconds.

Test Steps:

1. TRANSMIT SubscribeCOV-Request,
 'Subscriber Process Identifier' = (any valid process identifier),
 'Monitored Object Identifier' = (any object supporting COV notifications),
 'Issue Confirmed Notifications' = TRUE | FALSE,
 'Lifetime' = 60
2. RECEIVE BACnet-SimpleACK-PDU
3. IF (the subscription was for confirmed notifications) THEN
 BEFORE **Notification Fail Time**
 RECEIVE ConfirmedCOVNotification-Request,
 'Subscriber Process Identifier' = (the same identifier used in the subscription),
 'Initiating Device Identifier' = IUT,
 'Monitored Object Identifier' = (the same object used in the subscription),
 'Time Remaining' = 60,
 'List of Values' = (values appropriate to the object type of the monitored object)
 TRANSMIT BACnet-SimpleACK-PDU
ELSE
 BEFORE **Notification Fail Time**
 RECEIVE UnconfirmedCOVNotification-Request,
 'Subscriber Process Identifier' = (the same identifier used in the subscription),
 'Initiating Device Identifier' = IUT,
 'Monitored Object Identifier' = (the same object used in the subscription),

 'Time Remaining' = 60,
 'List of Values' = (values appropriate to the object type of the monitored object)
4. TRANSMIT SubscribeCOV-Request,
 'Subscriber Process Identifier' = (any valid process identifier),
 'Monitored Object Identifier' = (any object supporting COV notifications),
 'Issue Confirmed Notifications' = TRUE | FALSE,
 'Lifetime' = (a value between 180 and 300 seconds)
5. RECEIVE BACnet-SimpleACK-PDU
6. IF (the subscription was for confirmed notifications) THEN
 BEFORE **Notification Fail Time**
 RECEIVE ConfirmedCOVNotification-Request,
 'Subscriber Process Identifier' = (the same identifier used in the subscription),
 'Initiating Device Identifier' = IUT,
 'Monitored Object Identifier' = (the same object used in the subscription),
 'Time Remaining' = (the requested subscription lifetime),
 'List of Values' = (values appropriate to the object type of the monitored object)
 TRANSMIT BACnet-SimpleACK-PDU
ELSE
 BEFORE **Notification Fail Time**
 RECEIVE UnconfirmedCOVNotification-Request,
 'Subscriber Process Identifier' = (the same identifier used in the subscription),
 'Initiating Device Identifier' = IUT,
 'Monitored Object Identifier' = (the same object used in the subscription),
 'Time Remaining' = (the requested subscription lifetime),
 'List of Values' = (values appropriate to the object type of the monitored object)

Following is the snapshot BACnet Claus 13.14.2 from 135.2016.pdf

If no COV context can be found that matches the request, then a new COV context shall be established that contains the BACnet address from the PDU that carries the SubscribeCOV request and the same 'Subscriber Process Identifier' and 'Monitored Object Identifier'. If no context can be created, then a 'Result(-)' shall be returned.

As per above Claus, if context doesn't match with earlier subscription then it will be considered as a new subscription. However, in the 135.1.2019 - 9.10.1.8 and 9.11.1.8 test cases test steps 1 and 4 are not matching and yet it is considered as a re-subscription request of earlier subscription.

In my opinion, test step 4 context should be match with test 1. E.g.

4. TRANSMIT SubscribeCOVProperty-Request,
 - 'Subscriber Process Identifier' = (~~any valid process identifier~~ **the same identifier used in the step 1**),
 - 'Monitored Object Identifier' = (~~any object supporting COV notifications~~ **the same object used in the step 1**),
 - 'Issue Confirmed Notifications' = TRUE | FALSE,
 - 'Lifetime' = (a value between 180 and 300 seconds),
 - 'Monitored Property Identifier' = (any valid property supporting COV notifications)

Question:

Is my interpretation correct?

Response:

Yes.

The Test Package will be changed.