

## Clarification Request

**Reference:** "BTL Specified Tests-3.0.final"

### Background:

The following test incorrectly indicated that the Active COV subscription should contain the IUT instead of the TD. Here is the proposed fixed test:

#### 7.3.1.X1 Active\_COV\_Subscriptions Test

Reason for Change: No relevant test in 135.1. This test is covered by proposal CN-066.

**Purpose:** This test case verifies that the IUT correctly updates the Active\_COV\_Subscriptions property when COV subscriptions are created, cancelled and timed-out.

**Configuration:** For this test, the tester shall choose 3 objects, O<sub>1</sub>, O<sub>2</sub>, and O<sub>3</sub> that the device supports COV for. O<sub>1</sub>, O<sub>2</sub>, and O<sub>3</sub> need not refer to different objects. The tester shall also choose 3 non-zero unique process identifiers, P<sub>1</sub>, P<sub>2</sub>, and P<sub>3</sub>, and 3 non-zero lifetimes L<sub>1</sub>, L<sub>2</sub> and L<sub>3</sub>. Lifetime L<sub>1</sub> shall be long enough to allow the initial part of the test to run through to step 7. Lifetimes L<sub>2</sub> and L<sub>3</sub> shall be long enough for the whole test to complete without the lifetime expiring.

The IUT shall start the test with no entries in its Active\_COV\_Subscriptions property.

#### Test Steps:

1. TRANSMIT SubscribeCOV-Request,
 

'Subscriber Process Identifier' =	P <sub>1</sub> ,
'Monitored Object Identifier' =	O <sub>1</sub> ,
'Issue Confirmed Notifications' =	TRUE,
'Lifetime' =	L <sub>1</sub>
2. RECEIVE BACnet-SimpleACK-PDU
3. RECEIVE ConfirmedCOVNotification-Request,
 

'Subscriber Process Identifier' =	P <sub>1</sub> ,
'Initiating Device Identifier' =	IUT,
'Monitored Object Identifier' =	O <sub>1</sub> ,
'Time Remaining' =	(a value approximately equal to L <sub>1</sub> ),
'List of Values' =	(values appropriate to the object type of the monitored object)
4. TRANSMIT Simple-Ack
5. VERIFY Active\_COV\_Subscriptions = {
 

{ { <span style="background-color: yellow;">IUT</span> TD, P <sub>1</sub> }, O <sub>1</sub> , TRUE, (a value less than L <sub>1</sub> ), (a valid Increment if the property is REAL)
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6. TRANSMIT SubscribeCOV-Request,
 

'Subscriber Process Identifier' =	P <sub>2</sub> ,
'Monitored Object Identifier' =	O <sub>2</sub> ,
'Issue Confirmed Notifications' =	FALSE,
'Lifetime' =	L <sub>2</sub>
7. RECEIVE BACnet-SimpleACK-PDU
8. RECEIVE UnconfirmedCOVNotification-Request,
 

'Subscriber Process Identifier' =	P <sub>2</sub> ,
'Initiating Device Identifier' =	IUT,

- 'Monitored Object Identifier' = O<sub>2</sub>,  
 'Time Remaining' = (a value approximately equal to L<sub>2</sub>),  
 'List of Values' = (values appropriate to the object type of the monitored object)
9. VERIFY Active\_COV\_Subscriptions = {  
   { IUTTD, P<sub>1</sub> }, O<sub>1</sub>, TRUE, (a value less than L<sub>1</sub>), (a valid Increment if the property is REAL)  
 },  
   { IUTTD, P<sub>2</sub> }, O<sub>2</sub>, FALSE, (a value less than L<sub>2</sub>), (a valid Increment if the property is REAL) }  
 }
10. TRANSMIT SubscribeCOV-Request,  
   'Subscriber Process Identifier' = P<sub>3</sub>,  
   'Monitored Object Identifier' = O<sub>3</sub>,  
   'Issue Confirmed Notifications' = FALSE,  
   'Lifetime' = L<sub>3</sub>
11. RECEIVE BACnet-SimpleACK-PDU
12. RECEIVE UnconfirmedCOVNotification-Request,  
   'Subscriber Process Identifier' = P<sub>3</sub>,  
   'Initiating Device Identifier' = IUT,  
   'Monitored Object Identifier' = O<sub>3</sub>,  
   'Time Remaining' = (a value approximately equal to L<sub>2</sub>),  
   'List of Values' = (values appropriate to the object type of the monitored object)
13. VERIFY Active\_COV\_Subscriptions = {  
   { IUTTD, P<sub>1</sub> }, O<sub>1</sub>, TRUE, (a value less than L<sub>1</sub>), (a valid Increment if the property is REAL)  
 },  
   { IUTTD, P<sub>2</sub> }, O<sub>2</sub>, FALSE, (a value less than L<sub>2</sub>), (a valid Increment if the property is REAL) },  
   { IUTTD, P<sub>3</sub> }, O<sub>3</sub>, FALSE, (a value less than L<sub>3</sub>), (a valid Increment if the property is REAL) }  
 }
14. WAIT L<sub>1</sub> + the IUT's timer granularity
15. VERIFY Active\_COV\_Subscriptions = {  
   { IUTTD, P<sub>2</sub> }, O<sub>2</sub>, FALSE, (a value less than L<sub>2</sub>), (a valid Increment if the property is REAL) },  
   { IUTTD, P<sub>3</sub> }, O<sub>3</sub>, FALSE, (a value less than L<sub>3</sub>), (a valid Increment if the property is REAL) }  
 }
16. TRANSMIT SubscribeCOV-Request,  
   'Subscriber Process Identifier' = P<sub>3</sub>,  
   'Monitored Object Identifier' = O<sub>3</sub>
17. VERIFY Active\_COV\_Subscriptions = {  
   { IUTTD, P<sub>2</sub> }, O<sub>2</sub>, FALSE, (a value less than L<sub>2</sub>), (a valid Increment if the property is REAL) },  
 }
18. TRANSMIT SubscribeCOV-Request,  
   'Subscriber Process Identifier' = P<sub>2</sub>,  
   'Monitored Object Identifier' = O<sub>2</sub>
19. VERIFY Active\_COV\_Subscriptions = { }

**Question:**

Are the proposed changes correct?

Response:

Yes.