

Clarification Request

References: BTL Test Plan 12.0.final, 7.3.2.24.5
135-2010 12.25.10 COV_Resubscription_Interval

Date of BTL-WG Response: January 10, 2013

Background:

BTL - 7.3.2.24.5

7.3.2.24.5 COV_Resubscription_Interval Test

Reason for Change: The test was incorrect. The change is in JB-020.

Dependencies: Confirmed Notifications Subscription, 8.10.1.

BACnet Reference Clause: 12.23.10.

Purpose: To verify that a Trend Log acquiring data via COV notification reissues its subscription at the interval set by COV_Resubscription_Interval.

Test Concept: The Trend Log is configured to acquire data from the TD by COV notification. The TD verifies the resubscription interval.

Configuration Requirements: Start_Time, if present, shall be configured with a date and time preceding the beginning of the test. Stop_Time, if present shall be configured with the latest possible date and time, in order that it occur after the end of the test. Stop_When_Full, if configurable, shall be set to FALSE. Enable shall be set to TRUE. Non-zero values shall be chosen for COV_Resubscription_Interval in accordance with the range and resolution specified by the manufacturer for this property.

Test Steps:

1. IF (the IUT uses SubscribeCOV) THEN
 - RECEIVE SubscribeCOV-Request,
 - 'Subscriber Process Identifier' = (any value),
 - 'Monitored Object Identifier' = (the object to be monitored),
 - 'Issue Confirmed Notifications' = (TRUE),
 - 'Lifetime' = (any value >= COV_Resubscription_Interval)
- ELSE

...

8. RECEIVE BACnet-SimpleACK-PDU
9. WAIT (COV_Resubscription_Interval - Re-subscription Interval Tolerance)
10. BEFORE (2 * Re-subscription Interval Tolerance)
 - IF (the IUT uses SubscribeCOV)

...

135-2010:

12.25.10 COV_Resubscription_Interval

If the Trend Log is acquiring data from a remote device by COV subscription, this optional property, of type Unsigned, specifies the number of seconds between COV resubscriptions, provided that COV

subscription is in effect. **SubscribeCOV requests shall specify twice this lifetime** for the subscription and shall specify the issuance of confirmed notifications. If COV subscriptions are in effect, the first COV subscription is issued when the Trend Log object begins operation or when Enable becomes TRUE. If present, the value of this property shall be non-zero. If this property is not present, then COV subscription shall not be attempted.

PROBLEMS:

1.

The test expects the IUT in step 1 and also in further steps to send a SubscribeCOV(Property) request with the 'Lifetime' parameter (any value \geq COV_Resubscription_Interval). But according to 135-2010 the Lifetime has to be exactly "two times COV_Resubscription_Interval".

2.

the test refers to a **Re-subscription Interval Tolerance**
I do not know the source of that value.

Questions:

Should the expected Lifetime be adjusted in all the steps?

Where is "Re-subscription Interval Tolerance" defined?

Response:

In test 7.3.2.24.5, the (any value \geq COV_Resubscription_Interval will be changed to (any value \geq 2x COV_Resubscription_Interval).

Also a Note to Tester will be added: The Re-subscription Interval Tolerance is the time difference, in seconds, that defines the window of time around the COV_Resubscription_Interval in which the IUT will send a SubscribeCOV.