

## Clarification Request

**References:** BTL Test Plan 12.0.final, 7.3.2.24.12  
135-2010 12.25.10 COV\_Resubscription\_Interval

**Date of BTL-WG Response:** January 10, 2013

### Background:

BTL - 7.3.2.24.12 specifies 'Issue Confirmed Notifications' = (TRUE|FALSE), but language in section 12.25.10 of the standard is not so lenient.

The test expects the IUT to send a SubscribeCOV(Property) request with the 'Issue Confirmed Notifications' parameter either TRUE or FALSE. But according to 135-2010 only TRUE is allowed in this case.

### 7.3.2.24.12 COV Subscription Failure Test

Reason for Change: The COV subscription might already be in effect when the test begins. This test in some form will become included in 135.1 by virtue of 135.1-2009I when that is approved.

Dependencies: ReadProperty Service Execution Tests, 9.18; WriteProperty Service Execution Tests, 9.22.

BACnet Reference Clauses: 12.25.5, 12.25.9, and 12.25.10.

Purpose: To verify that a failed COV subscription causes a TO-FAULT transition.

Test Concept: ~~The Trend Log is configured to acquire data by COV subscription from the TD. After it attempts to subscribe with the TD the Trend Log is halted and Event\_State is checked. A Trend Log configured to acquire samples via COV is monitored to ensure that when a COV subscription fails, the object will go into fault.~~

Configuration Requirements: *The Trend Log is configured to acquire data by COV subscription from the TD.* 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. ~~Log\_Enable shall be set to TRUE|FALSE.~~

Test Steps:

~~1. VERIFY Event\_State = NORMAL~~

~~2. WRITE Log\_Enable = TRUE~~

1. MAKE (the logging object perform its COV subscription)

2. IF (the IUT uses SubscribeCOV for this Trend Log)

RECEIVE SubscribeCOV-Request,

'Subscriber Process Identifier' = (any value),

'Monitored Object Identifier' = (any object),

'Issue Confirmed Notifications' = (TRUE|FALSE),

'Lifetime' = (2 \* COV\_Resubscription\_Interval)

ELSE

RECEIVE SubscribeCOVProperty-Request,

'Subscriber Process Identifier' = (any value),

'Monitored Object Identifier' = (any object),

'Issue Confirmed Notifications' = (TRUE|FALSE),

'Lifetime' = (2 \* COV\_Resubscription\_Interval),

'Monitored Property Identifier' = (the property to be monitored),

'COV Increment' = (Client\_COV\_Increment -- optional)  
~~4. TRANSMIT BACnet-SimpleACK-PDU~~  
~~5. WAIT COV\_Resubscription\_Interval~~  
 3. TRANSMIT BACnet-Error-PDU  
     Error Class = (any valid error class),  
     Error Code = (any valid error code)  
 4. VERIFY Event\_State = FAULT  
*Notes to Tester: Step 3 may be optionally skipped, effectively having the TD send no response.*

**From 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.

**Question:**

Is the change correct?

**Response:**

**Yes.**