

## Clarification Request

**References:** BTL Test Plan 12.0.final, BTL - 7.3.2.24.12 - COV Subscription Failure Test

**Date of BTL-WG Response:** April 4, 2013

### Background:

#### BTL - 7.3.2.24.12 - COV Subscription Failure Test

BTL Test Plan – 12.0.final indicates that test 7.3.2.24.12 for ‘Supports COV logging of remote property values’ (Ref T-VMT-E-B in Checklist) ‘Must be executed’. Step 4 of this test requires that the Event\_State assume a value of FAULT but this can only occur if the Trend-log object supports intrinsic reporting. Even if the object supports intrinsic reporting, this behaviour is not mandated by the standard as TO-FAULT transitions are based on the presence of the optional Reliability property.

Ref Clause 12.25.20 (for Event\_State property) states:

“If the object does not support intrinsic reporting, then the value of the property shall be NORMAL.

### From BTL Specified Tests:

#### 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),

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    '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.

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**Question:**

Is it appropriate that this test be skipped if the object cannot be made to transition to a FAULT state?

**Response:**

**"This behavior was removed from the standard at Protocol\_Revision 7 in addendum 135-2004b, and as such this test is being removed from the Test Plan."**