

Clarification Request

Request from: BTL Manager (btl-manager@bacnetinternational.org)

Reference: "ASHRAE 135.1 - 2003", "BTL Checklist-3.0.final"

Background:

The 135.1 test, 9.10.2.1 The Monitored Object Does Not Support COV Notification specifies the error message that the IUT is required to return. The error message required is either 'service-request-denied' or 'other'. The newer revision of the BACnet standard added more error messages that might be more meaningful in this case.

Here is a copy of the test:

9.10.2.1 The Monitored Object Does Not Support COV Notification

Purpose: This test case verifies that the IUT correctly responds to a SubscribeCOV request to establish a subscription when the monitored object does not support COV notifications.

Test Steps:

1. TRANSMIT SubscribeCOV-Request,
 - 'Subscriber Process Identifier' = (any valid process identifier),
 - 'Monitored Object Identifier' = (any object that does not support COV notifications),
 - 'Issue Confirmed Notifications' = TRUE,
 - 'Lifetime' = 60
2. RECEIVE BACnet-Error PDU,
 - Error Class = SERVICES,
 - Error Code = SERVICE_REQUEST_DENIED | OTHER

Question:

Should test 135.1 – 9.10.2.1 The Monitored Object Does Not Support COV Notification, be changed to allow the IUT to return 'not-cov-property' (44) or 'cov-subscription-failed' (43)?

Response:

Addendum H specifies the error codes to use for the SubscribeCOV service. This public review modifies the numerical values used for new error codes and not the conditions under which they are to be used.

Here is the proposed test change:

9.10.2.1 The Monitored Object Does Not Support COV Notification

Purpose: This test case verifies that the IUT correctly responds to a SubscribeCOV request to establish a subscription when the monitored object does not support COV notifications.

Test Steps:

1. TRANSMIT SubscribeCOV-Request,
 - 'Subscriber Process Identifier' = (any valid process identifier),
 - 'Monitored Object Identifier' = (any object that does not support COV notifications),
 - 'Issue Confirmed Notifications' = TRUE,
 - 'Lifetime' = 60
2. IF (Protocol_Revision < X) THEN
 - RECEIVE (BACnet-Error PDU,
 - Error Class = SERVICES,
 - Error Code = SERVICE_REQUEST_DENIED | OTHER / COV_SUBSCRIPTION_FAILED) /
 - (BACnet-Error PDU,
 - Error Class = PROPERTY,
 - Error Code = NOT_COV_PROPERTY) |
 - (BACnet-Error PDU,
 - Error Class = OBJECT,
 - Error Code = OPTIONAL_FUNCTIONALITY_NOT_SUPPORTED)
- ELSE
 - BACnet-Error PDU,
 - Error Class = OBJECT,
 - Error Code = OPTIONAL_FUNCTIONALITY_NOT_SUPPORTED