

Clarification Request

References: BTL Test Plan 5.0, 135.1 -2007 test 9.10.2.1

Date of BTL-WG Response: __15-Sep-2011__

Protocol_Revision 10 defined that Error class: OBJECT Error code: OPTIONAL_FUNCTIONALITY_NOT_SUPPORTED is the sole accepted result in test 9.10.2.1

I like the choice of Error class: OBJECT Error code: COV_SUBSCRIPTION_FAILED though as well, as that seems even more specifically applicable.

[BTL Specified Tests-5.0.final version, with CRR-0104 correction replacing the X with 10. Recommended change here indicated by *italics and highlight*]

9.10.2.1 The Monitored Object Does Not Support COV Notification

Reason for Change: This test does not provide for the new error code mandated by the newer revision of the BACnet standard. There is no new SSPC proposal.

Purpose: To verify 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 < 10) 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 | *COV_SUBSCRIPTION_FAILED*)
- ELSE
 - RECEIVE* (BACnet-Error PDU,
 - Error Class = OBJECT,
 - Error Code = OPTIONAL_FUNCTIONALITY_NOT_SUPPORTED | *COV_SUBSCRIPTION_FAILED*)

[Addendum 135.1-2009] 6 Changed Clause 9.10.2.1, p 219 as here indicated by *italics and strikethrough*

9.10.2.1 The Monitored Object Does Not Support COV Notification

Purpose: To verify 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 is present and Protocol_Revision >= 10) THEN
 RECEIVE BACnet-Error PDU,
 Error Class = OBJECT,
 Error Code = OPTIONAL_FUNCTIONALITY_NOT_SUPPORTED
 ELSE
 RECEIVE BACnet-Error PDU,
 Error Class = OBJECT,
 Error Code = OPTIONAL_FUNCTIONALITY_NOT_SUPPORTED |
 (~~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)

Question:

In the test 9.10.2.1 should an Error class: OBJECT Error code of COV_SUBSCRIPTION_FAILED also be accepted?

This relaxation would similarly affect SubscribeCOVProperty tests 9.11.2.1 and 9.11.2.2, which have not yet been derived into BTL Specified tests, nor mentioned in 135.1-2009I-6

P.S. there should probably be one set of parentheses in the ELSE clause, starting right after the RECEIVE keyword, rather than two sets individually bounding just two out of the three clauses.

Response:

No.