

Clarification Request

References: BTL Specified Test 9.23.X1

Date of BTL-WG Response: May 5, 2013

Background:

BTL Specified Test 9.23.2.X1 WritePropertyMultiple Reject Test

Reason for Change: Addendum 135-2008u section 1.

Purpose: This test case verifies that the IUT does not send a Reject-PDU after applying part of a WritePropertyMultiple.

Test Concept: Two writable properties, P1 and P2 are written to the IUT but the portion of the WritePropertyMultiple specifying P2 is invalid. If the IUT returns a Reject, then the value of the first property is checked to ensure it has not changed.

Test Steps:

1. READ OldValue = O1, P1
2. TRANSMIT WritePropertyMultiple-Request,
 - 'Object Identifier' = O1,
 - 'Property Identifier' = P1,
 - 'Property Value' = (NewValue: any value other than OldValue that would be accepted by the IUT for P1)
 - 'Object Identifier' = O2,
 - 'Property Identifier' = P2
3. RECEIVE (WritePropertyMultiple-Error,
 - 'Error Class' = SERVICES,
 - 'Error Code' = INVALID_TAG
 - 'Object Identifier' = O2
 - 'Property Identifier' = P2) |
 - (WritePropertyMultiple-Error,
 - 'Error Class' = SERVICES,
 - 'Error Code' = MISSING_REQUIRED_PARAMETER
 - 'Object Identifier' = O2
 - 'Property Identifier' = P2) |
 - (RECEIVE BACnet-Reject-PDU,
 - 'Reject Reason' = INVALID_TAG | MISSING_REQUIRED_PARAMETER)
4. IF (an Error-PDU was received in step 3) THEN
 - VERIFY (O1), P1 = NewValue
 - ELSE -- a Reject-PDU was received
 - VERIFY (O1), P1 = OldValue

Question:

Since the MISSING_REQUIRED_PARAMETER is specified as acceptable in the BACnet-Reject-PDU in step 3, is MISSING_REQUIRED_PARAMETER also acceptable in the WritePropertyMultiple-Error?

Response:

No, SSPC-135 does not permit Error Code: MISSING_REQUIRED_PARAMETER for WritePropertyMultiple service.