

Clarification Request

Reference: "ASHRAE 135.1-2003"

Background:

This is in regard to test plan 4.6.2 Write Property. The test 135.1-9.22.2.1 states that the proper error PDU reply to writing a non-array property with an array index included is (services, inconsistent-parameters). Would the newly added (to 135-2004) error PDU, property, property-is-not-an-array also be acceptable in the BTL test?

For example test 9.22.2.1 would become:

Test Steps:

1. VERIFY (Object1), P1 = (value defined for this property in EPICS)
2. TRANSMIT WriteProperty-Request,
 'Object Identifier' = Object1,
 'Property Identifier' = P1,
 'Property Value' = (any value of correct data type, except value in step 1),
 'Property Array Index' = (any positive index)
3. RECEIVE
 (BACnet-Error PDU,
 'Error Class' = SERVICES,
 'Error Code' = INCONSISTENT_PARAMETERS) |
 (BACnet-Reject-PDU,
 'Reject Reason' = INCONSISTENT_PARAMETERS) |
 (BACnet-Error PDU,
 'Error Class' = PROPERTY,
 'Error Code' = PROPERTY_IS_NOT_AN_ARRAY)
4. VERIFY (Object1), P1 = (value defined in EPICS)

Question:

Is the above interpretation acceptable?

Response:

This test was changed in 135.1-2003 addendum a-12 however it does not include the new error code in the pre-revision 4 section. The corrected test is:

Test 9.22.2.1:

Test Steps:

1. VERIFY (Object1), P1 = (value defined for this property in EPICS)
2. TRANSMIT WriteProperty-Request,
 'Object Identifier' = Object1,
 'Property Identifier' = P1,

- 'Property Value' = (any value of correct data type for this property subject to the restrictions specified in the EPICS as defined in 4.4.2, except the value verified in step 1),
'Property Array Index' = (any positive integer)
3. IF (Protocol_Revision is present and Protocol_Revision \geq 4) THEN
 RECEIVE
 (BACnet-Error PDU,
 'Error Class' = PROPERTY,
 'Error Code' = PROPERTY_IS_NOT_AN_ARRAY)
 ELSE
 RECEIVE
 (BACnet-Error PDU,
 'Error Class' = SERVICES,
 'Error Code' = INCONSISTENT_PARAMETERS) |
 (BACnet-Error PDU,
 'Error Class' = PROPERTY,
 'Error Code' = PROPERTY_IS_NOT_AN_ARRAY)
 4. VERIFY (Object1), P1 = (the value defined for this property in the EPICS)