

Clarification Request

References: ASHRAE 135.1-2025, ASHRAE 135-2024, Test Package 26.1.

Date of BTL-WG Response: April 2, 2026

Background:

9.23.1.4 Writing Multiple Properties to Multiple Objects

Purpose: To verify the ability to write multiple properties to multiple objects.

Test Concept: This test case attempts to write properties, P1 and P2, that reside in Object1, and properties P3 and P4 that reside in Object2. P1, P2, P3 and P4 are not commandable properties. If four such writable properties do not exist the test can be modified to write to an array property or to a commandable property with a write priority high enough to ensure that the commandable property's value will change.

Test Steps:

1. READ X = (Object1), P1
2. READ Y = (Object1), P2
3. READ Z = (Object2), P3
4. READ A = (Object2), P4
5. TRANSMIT WritePropertyMultiple-Request,
 - 'Object Identifier' = Object1,
 - 'Property Identifier' = P1,
 - 'Property Value' = (V1, any valid value of the appropriate datatype for this property subject to the restrictions specified in the EPICS as defined in 4.4.2, except the value X read in step 1)
 - 'Property Identifier' = P2,
 - 'Property Value' = (V2, any valid value of the appropriate datatype for this property subject to the restrictions specified in the EPICS as defined in 4.4.2, except the value Y read in step 2)
 - 'Object Identifier' = Object2,
 - 'Property Identifier' = P3,
 - 'Property Value' = (V3, any valid value of the appropriate datatype for this property subject to the restrictions specified in the EPICS as defined in 4.4.2, except the value Z read in step 3)
 - 'Object Identifier' = Object2,
 - 'Property Identifier' = P4,
 - 'Property Value' = (V4, any valid value of the appropriate datatype for this property subject to the restrictions specified in the EPICS as defined in 4.4.2, except the value A read in step 4)
6. RECEIVE BACnet-BACnet-SimpleACK-PDU
7. VERIFY (Object1), P1 = V1
8. VERIFY (Object2), P2 = V2
9. VERIFY (Object1), P3 = V3
10. VERIFY (Object2), P4 = V4

Problem:

Steps 8 and 9 reference the wrong Object.

Question:

Should Step 8 reference Object1 and should Step 9 reference Object2?

Response:

Yes