Clarification Request

References: BTL Test Plan 9.0.final test 7.2.2.X2

Background / Proposed Solution:

BTL Test Plan 9.0.final test Non-documented Property Test

Reason For Change: There is no test that verifies that all supported object properties are included in the EPICS. This test is included in the SSPC proposal CN-116.

Updated to be identical with 135.1-2009i-22: BTL-CRR-0083 clarified, adding language that was incorporated as test 7.1.X in 135.1-2009i-22, that where the device has a multitude of similar objects, it is sufficient to test one instance of each "flavor" of that object type.

Purpose: To verify that all properties contained in every object are documented in the EPICS. *The presence of any standard property identifier in a device with Protocol_Revision equal to or higher than the Protocol_Revision in which it was declared deleted, is a defect.*

Test Concept: For each object in the EPICS database, attempt to read each standard property that the EPICS does not document as being part of the object.

Test Steps:

1. REPEAT X = (~~all objects in the IUT's database~~ *a tester selected set of standard objects*) DO {
    REPEAT Y = (0 through 511) DO {
        IF (the property Y is not in the EPICS for object X) THEN
            TRANSMIT ReadProperty-Request,
                'Object Identifier' = X,
                'Property Identifier' = Y
            IF (Y = ALL|OPTIONAL|REQUIRED|LOG_BUFFER
            RECEIVE BACnet-Error-PDU,
                Error Class = PROPERTY,
                Error Code = READ-ACCESS-DENIED
            ELSE

            RECEIVE BACnet-Error-PDU,
                Error Class = PROPERTY,
                Error Code = UNKNOWN_PROPERTY

```
        }
    }
```

Notes to Tester: The objects selected by the tester should include one instance of each supported standard object type. Where some instances of an object type differ in the set of supported properties, the allowable value ranges for a property, or the writability of a property, then one instance of each "flavor" of that object type should be selected.

Question:

Should the above change be included in the test procedure?

Response:

No. Reading ALL|OPTIONAL|REQUIRED is wrong and the BTL-WG is in process through BTL-CRR-0226 to make this change. Whereas if Log_Buffer is read from an object where it does not exist, the original test is correct: it should return UNKNOWN_PROPERTY, not READ_ACCESS_DENIED.