

Clarification Request

Request from: Lori Tribble (btl-manager@bacnetinternational.org)

References: 135.1-2007

Stage: ☒Request, ☒Listed, ☒Analysis, ☒Resolved

Background / Proposed Solution:

Test 135.1-2007-9.23.2.2 Writing Multiple Properties with an Object Access Error does not clearly state what it means by an 'not supported' object.

The tester could choose an unsupported object-type which would result in a different error message. The test needs to state clearly that the object selected for 'BadObject' should be one that is of a supported 'object-type' but whose instance is not supported in the current IUT database in order to ensure the correct error message.

9.23.2.2 Writing Multiple Properties with an Object Access Error

Purpose: To verify the ability to correctly execute a WritePropertyMultiple service request for which the 'List of Write Access Specifications' contains a specification for an unsupported object.

Test Concept: An attempt is made to write to a single property in two different objects. The first object is supported and the property is writable. The second object is not supported. *The second object selected should be of a supported object-type but whose instance does not exist in the IUT database.* The objective is to verify that an appropriate error response is returned and that all writes up to the first failed write attempt take place.

Configuration Requirements: If the IUT supports any writable scalar properties that are not commandable it shall be configured with one for use in this test. If no such properties are supported the IUT shall be configured with a writable array or commandable property and the test steps modified to account for this variation. In the test description Object1 and P1 will be used to designate the writable object and property used for this test. The designation BadObject will be used to indicate an object that is not supported.

Test Steps:

1. VERIFY (Object1), P1 = (the value specified for this property in the EPICS)
2. TRANSMIT WritePropertyMultiple-Request,
 - 'Object Identifier' = Object1,
 - 'Property Identifier' = P1,
 - 'Property Value' = (any value of the appropriate datatype except for the one verified in step 1),
 - 'Object Identifier' = BadObject,
 - 'Property Identifier' = P2,
 - 'Property Value' = (any value of the appropriate datatype)
3. RECEIVE WritePropertyMultiple-Error,
 - Error Class = OBJECT,
 - Error Code = UNKNOWN_OBJECT,
 - objectIdentifier = BadObject,
 - propertyIdentifier = P2
4. VERIFY (Object1), P1 = (the value specified for P1 in step 2)

Question:

Does the proposed sentence in the Test Concept help clarify this test?

Response:

BTL-WG noted that according to 135-2008, the WritePropertyMultiple service does not allow the OBJECT_TYPE_NOT_SUPPORTED error message response and therefore the test is valid in its original form.