

Clarification Request

References: ASHRAE 135-2008u-3 section 15.3.1.3.1

Date of BTL-WG Response: Dec 4, 2013

Background / Proposed Solution:

The recently added test 9.16.2.X2 has the test steps numbered 1 - 2 - 5 instead of 1 - 2 - 3.

Thinking about the wording it should also be expressed what "unsupported object type" is supposed to mean.

135-2008u newly differentiated DYNAMIC_CREATION_NOT_SUPPORTED with meaning: The device supports the object type and may have sufficient space, but does not support the creation of the object for some other reason.

UNSUPPORTED_OBJECT_TYPE defined early in BACnet, but with no references in the standard outside of Clause 18 and 21, is specified in Protocol_Revision 10 with meaning during CreateObject execution as: The device does not support the specified object type.

9.16.2.X2 Attempting to Create a non-Supported Object Type (by Object Identifier)

Reason for Change: Addendum 135-2008u-2

Purpose: To verify the correct execution of the CreateObject service request when the 'Object Specifier' parameter conveys an object identifier for an object type that is not supported in the IUT.

Test Conditionality: If Protocol_Revision < 10, then this test may be skipped.

Test Steps:

1. TRANSMIT CreateObject-Request,
'Object Specifier' = (any object identifier having an unsupported object type)
2. RECEIVE CreateObject-Error,
Error Class = OBJECT,
Error Code = UNSUPPORTED_OBJECT_TYPE
'First Failed Element Number' = 0
5. VERIFY (the IUT's Device object),
Object_List = (any object list that does not contain the object specified in step 1)

Notes to tester: If the IUT limits the instances that can be created, this shall be taken into account when selecting an object identifier in step 1.

Questions:

What is "unsupported object type" supposed to mean here: is it an object type that is not supported in the IUT at all or is it an object type, that is supported but not creatable?

Why does it say the test may be skipped when "Protocol_Revision < 10". Should older IUT be allowed to create Objects with unsupported object types?

Responses:

UNSUPPORTED_OBJECT_TYPE means that the device does not support the object type.

The test was originally formulated for devices that implement Protocol_Revision greater than or equal to 10 because of Addendum 135-2008u. Upon reflection, the group agrees that it is best for this test to be applied to devices at all Protocol_Revisions, and it will be changed accordingly at a future date.