

## Clarification Request

**References:** BTL Specified Tests 8.22.X2 and 8.22.X3

**Date of BTL-WG Response:** \_\_January 6, 2012\_\_

### Background / Proposed Solution:

Section 4.13.1 of Revision 9.0 of the BTL Test Plan specifies BTL-8.22.X2 and BTL-8.22.X3 but these tests do not exist in Specified Tests document.

#### 8.22.X2 Accepting Input and Modifying Properties

Reason for Change: This test exists in 135.1-2009g and is modified in 135.1-2009i. It is included here solely to show all changes in one place.

Purpose: This test case verifies that the IUT is capable of accepting user input and using it to modify properties. It is a generic test used to test data input requirements.

This test is written so as to allow the TD to monitor a conversation between the IUT and a reference server. The reference server may be the TD, or some other device.

Configuration: For this test, the tester shall choose a property,  $P_1$ , from an object,  $O_1$ , in a device,  $D_1$ , that does not support execution of WritePropertyMultiple.

Test Steps:

1. MAKE (the IUT accept a new value for  $P_1$  from the user)
2. RECEIVE WriteProperty-Request,
 

SOURCE =	IUT,
DESTINATION =	$D_1$ ,
'Object Identifier' =	$O_1$ ,
'Property Identifier' =	$P_1$
'Property Value' =	(the value provided to the IUT for $P_1$ )
3. RECEIVE BACnet-SimpleACK-PDU,
 

SOURCE =	$D_1$ ,
DESTINATION =	IUT,

Notes to Tester: The value accepted by the IUT may differ from the value transmitted on the wire due to rounding, truncation, formatting, language conversion etc.

Notes to Tester: If the property being modified is an array element, the IUT may include an Array Index parameter in the WriteProperty-Request in step 2. Under these circumstances this is acceptable and shall not be considered a failure condition.

Notes to Tester: If the IUT has not already determined that  $D_1$  does not support execution of WritePropertyMultiple, the IUT may initiate a WritePropertyMultiple. If this occurs, the IUT shall only

pass the test if it automatically falls back to using WriteProperty upon receipt of the correct BACnetError-PDU from D<sub>1</sub> indicating that WritePropertyMultiple is not supported.

~~Notes to Tester: The IUT is allowed to include a Priority parameter with a value in the range 1..16.~~

*Note to Tester: Any WriteProperty request generated by the IUT may have a Priority parameter. If included, it shall be in the range 1-16, excluding 6.*

### 8.22.X3 Accepting Input and Commanding/Relinquishing Properties

Reason for Change: This test exists in 135.1-2009g and is modified in 135.1-2009i. It is included here solely to show all changes in one place.

Purpose: This test case verifies that the IUT is capable of accepting user input and using it to modify a commandable property at a specific priority. It also tests that the IUT is capable of relinquishing at that same priority.

This test is written so as to allow the TD to monitor a conversation between the IUT and a reference server. The reference server may be the TD, or some other device.

Configuration: For this test, the tester shall choose a commandable property, P<sub>1</sub>, from an object, O<sub>1</sub>, in a device, D<sub>1</sub>, that does not support execution of WritePropertyMultiple. PR<sub>1</sub> is the specific priority that will be tested.

Test Steps:

1. MAKE (the IUT accept a new value for P<sub>1</sub> from the user, to be commanded at priority PR<sub>1</sub>)
2. RECEIVE WriteProperty-Request,
 

SOURCE =	IUT,
DESTINATION =	D <sub>1</sub> ,
'Object Identifier' =	(O <sub>1</sub> ),
'Property Identifier' =	(P <sub>1</sub> )
'Priority' =	(PR <sub>1</sub> )
'Property Value' =	(the value provided to the IUT for P <sub>1</sub> )
3. RECEIVE BACnet-SimpleACK-PDU,
 

SOURCE =	D <sub>1</sub> ,
DESTINATION =	IUT
4. MAKE (the IUT relinquish P<sub>1</sub> at priority PR<sub>1</sub>)
5. RECEIVE WriteProperty-Request,
 

SOURCE =	IUT,
DESTINATION =	D <sub>1</sub> ,
'Object Identifier' =	(O <sub>1</sub> ),
'Property Identifier' =	(P <sub>1</sub> )
'Priority' =	(PR <sub>1</sub> )
'Property Value' =	NULL
6. RECEIVE BACnet-SimpleACK-PDU,
 

SOURCE =	D <sub>1</sub> ,
DESTINATION =	IUT

Notes to Tester: The value accepted by the IUT may differ from the value transmitted on the wire due to rounding, truncation, formatting, language conversion etc.

Notes to Tester: If the IUT has not already determined that D<sub>1</sub> does not support execution of WritePropertyMultiple, the IUT may initiate a WritePropertyMultiple. If this occurs, the IUT shall only

pass the test if it automatically falls back to using WriteProperty upon receipt of the correct BACnetError-PDU from D<sub>1</sub> indicating that WritePropertyMultiple is not supported.

*Note to Tester: Any WriteProperty request generated by the IUT may have a Priority parameter. If included, it shall be in the range 1-16, excluding 6.*

**Question:**

Should the above tests be added?

**Response:**

Yes.