

Clarification Request

References: BTL Test Plan sections 4.5.6, 4.5.7, 4.7.12, 4.7.13 and 4.8.10

Date of BTL-WG Response: __26-May-2011__

Background / Proposed Solution:

Section 4.5.7 was added specifically to test Schedule_Default, but has a misleading preamble. I proposed here to clarify section 4.5.6, 4.5.7, 4.7.12, 4.7.13 and 4.8.10 with new section titles, and eliminate misleading preamble statements.

Furthermore, checklist item corresponding to section 4.5.7 has listing code BTL-C³, though it should be merely O. Tests aimed at Schedule_Default have nothing to do with commandability.

In BTL Checklist:

Data Sharing - WriteProperty – A		
		...
	BTL-C ³	Can write command and relinquish with a priority
	O BTL-C³	Can write NULL property values to non-commandable properties

In BTL Test Plan:

4.5.6 Can **Command and Relinquish Write** With a Priority

The IUT is able to supply a priority parameter when writing to a property with WriteProperty as is required in order to command commandable properties at a priority other than 16.

135.1-2007 - 8.22.3 - Writing Commandable Properties		
	Test Method	Manual
	Configuration	As per ASHRAE 135.1-2007 .
	Test Conditionality	Must be applied twice, once with a NULL value and once with a non-NULL value.
	Test Directives	
	Testing Hints	
	Notes & Results	

4.5.7 Can Write NULL Property Values **to non-commandable Properties**

The IUT is able to write NULL values to **non-commandable properties**. **This ability is frequently used to relinquish control of a commanded value.**

BTL - 8.22.1 - Writing Non-Array Properties, or BTL - 8.22.2 - Writing Array Properties		
	Test Method	Manual
	Configuration	As per BTL Specified Tests .
	Test Conditionality	Must be executed.
	Test Directives	
	Testing Hints	At least one of these tests must be applied with the IUT writing a NULL value.
	Notes & Results	

In BTL Checklist:

Data Sharing - WritePropertyMultiple – A		
		...
	O	Can write command and relinquish with a priority
	O	Can write NULL property values to non-commandable properties

In BTL Test Plan:

4.7.12 Can **Command and Relinquish Write** With a Priority

The IUT is able to include a priority when writing.

135.1-2007 - 8.23.6 - Writing Commandable Properties		
	Test Method	Manual
	Configuration	As per ASHRAE 135.1-2007 . At least one of the properties written by the selected test shall be written with a priority.
	Test Conditionality	Note that the test calls for 2 properties to be written, and only 1 contains a priority. The tester shall accept any well formed WritePropertyMultiple request, regardless of the number of properties contained in it, regardless of the number of properties for which a priority is supplied (as long as there is at least 1), and regardless of the position of the property(s) within the request that are accompanied by a priority.
	Test Directives	
	Testing Hints	
	Notes & Results	

4.7.13 Can Write NULL Property Values **to non-commandable Properties**

The IUT is able to write NULL values **to non-commandable properties**.

135.1-2007 - 8.23.1 - Writing a Single Property of a Single Object, 135.1-2007 - 8.23.2 - Writing Multiple Properties of a Single Object, 135.1-2007 - 8.23.3 - Writing Multiple Objects, One Property Each, or 135.1-2007 - 8.23.4 - Writing Multiple Objects, Multiple Properties for Each		
	Test Method	Manual
	Configuration	As per ASHRAE 135.1-2007 . At least one of the properties written by the selected test shall contain a NULL value.
	Test Conditionality	At least one of the tests (8.23.1..8.23.4) shall be executed against a property with a NULL value.
	Test Directives	At least one of these tests must be applied with the IUT writing a NULL value.
	Testing Hints	
	Notes & Results	

4.8.10 Contains Writable NULL Properties

The IUT contains, or can be made to contain, a writable property that accepts a written NULL value. ~~An example of such a property is a commandable property.~~

Response:

Yes, with section names and likewise the descriptions in 4.5.7 and 4.7.13, expressed as ... to non-commandable properties.