

Clarification Request

References: BTL Specified Tests 5.0, Tests 7.2.2, 9.22.1.X2

Background / Proposed Solution:

ASHRAE 135-2008 states in chapter 12, that "The Object_Name string shall be at least one character in length and shall consist only of printable characters." A vendor is allowed to implement the Object_Name as writable.

Neither the standard nor any BTL test does define the result of an attempt to write an empty string to a writable Object_Name property. The standard only states that the Object_Name should never have an empty string as its value.

A vendor sets the Object_Name to a vendor-defined default value upon a WriteProperty request with an empty string. Currently there is no test that speaks against this implementation.

Further, a vendor does not allow empty Active_Text or Inactive_Text properties. To guarantee for some value in these properties he implements to set a self-defined default value if an empty string is written to these properties. This fails tests 7.2.2 and 9.22.1.X2 as the read value is not the one being written.

Question:

Is this behaviour accepted by the BTL? If not, what functionality should be used to set default values for writable properties?

Response:

No, for any property for which a minimum length is required, the device shall return Result(-) error-class: PROPERTY, error-code: VALUE_OUT_OF_RANGE if the string provided does not meet that minimum length. For Active_Text and Inactive_Text, it is a local matter whether a minimum length is required.