

Clarification Request

References: ASHRAE 135-2008; BTL Specified Tests 9.22.1.X2 Writing to Properties Based on Data Type

Background / Proposed Solution:

As ASHRAE 135-2008 chapter 12.17.32 states, the `Error_Limit` property of the `Loop` object conveys the absolute magnitude of the difference between the `Setpoint` and the `Controlled_Variable_Value`. It is thus per definition a positive value. Test 9.22.1.X2 collides with this behavior as it expects the negative written value in the corresponding `ReadProperty` answer.

Proposed Solution:

To guarantee for this a vendor saves the absolute value if a negative value is received in a `WriteProperty` request. The test should compare the absolute magnitude of the written and read values.

Question:

Is the vendor's behaviour accepted by the BTL-WG? If not, how should `WriteProperty` requests with negative `Error_Limit` values be handled?

Response:

No, it is not acceptable to coerce values via absolute value. All writes bearing invalid values shall return `Result(-)` error-class: `PROPERTY`, error-code: `VALUE_OUT_OF_RANGE`.