Clarification Request

Request from: Lori Tribble (btl-manager@bacnetinternational.org)

References: ASHRAE 135-2008

Stage: ☒Request, ☒Listed, ☒Analysis, ☒Resolved

Background / Proposed Solution:

In the standard, the Present_Value of an Analog Input object shall be writable if Out_Of_Service is TRUE (section 12.2.4). It does not specify whether the opposite is also required. (if Out_Of_Service is FALSE, the Present_Value shall not be writable.)

I have a vendor who uses a WriteProperty to the Present_Value of an Analog Input object to trigger some internal processing (calibration I believe) for the object. The value momentarily changes to the value written and then resumes the Present_Value of the hardware input. In this device, Out_Of_Service is FALSE and is not writable.

Question:

Is this behavior acceptable?

If not, what test should we use/create to verify this expected behavior? I believe we only test this functionality if the vendor claims support for a writable Out_Of_Service property.

Response:

While the standard does not prohibit this functionality it is the position of the BTL-WG that when an input object's Out_Of_Service is FALSE, the Present_Value should be read-only.

The implementer's Guide will be updated to include the following item:

7.26 Input object's Present_Value should be read-only

While the standard does not prohibit this functionality it is the position of the BTL-WG that when an input object's Out_Of_Service is FALSE, the Present_Value should be read-only.