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INTERPRETATION IC 135-2010-5 OF
ANSI/ASHRAE STANDARD 135-2010 BACnet® -
A Data Communication Protocol for Building
Automation and Control Networks

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Request from: Carl Neilson (cneilson@deltacontrols.com), Delta Controls, 17850 56th Ave., Surrey, BC V3S 1C7.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE 135-2010, Clauses 12.25.9 and K.4.3, relating to T-VMT-E-B BIBB.

Background: This interpretation request originated from the BTL-WG.

In Clause 12.25.9, the description of the Log_Interval property, it states:

> If present, this property shall be writable if Logging_Type has either the value POLLED or the value COV. This property shall be read-only if Logging_Type has the value TRIGGERED.

In T-VMT-E-B, it states that Log_Interval shall be writable:

K.4.3 BIBB - Trending-Viewing and Modifying Trends External-B (T-VMT-E-B)

> The B device is capable of trending properties of objects contained in other devices. The B device shall support T-VMT-I-B and DS-RP-A. The Log_Interval and Log_DeviceObjectProperty properties must be writable.

> The Trend Log objects must be capable of trending REAL, Unsigned, INTEGER, BOOLEAN, Bit String, Enumerated and NULL values.

The purpose of the BIBB is to indicate that a device is capable of trending objects / properties in other devices (as per first sentence). Since many devices do not support COV, a Trend Log that only allows a value of 0 (meaning COV) to the Log_Interval would not be interoperable with many devices.

Interpretation No.1: T-VMT-E-B requires that the device supports Trend Log objects support a Logging_Type other than TRIGGERED so that Log_Interval is able to be made writable.

Question No.1: Is this interpretation correct?

Answer No.1: Yes

Interpretation No.2: T-VMT-E-B requires that the device supports Trend Log objects that support values other than 0 in Log_Interval so as to fulfill the first sentence of the BIBB.

Question No.2: Is this interpretation correct?

<u>Answer No.2:</u> Yes