INTERPRETATION IC 135-2020-19 OF
ANSI/ASHRAE STANDARD 135-2020 BACnet® -
A Data Communication Protocol for Building
Automation and Control Networks

Approval Date: June 26, 2023

Request from: Michael Osborne, BTB Consulting, 130 Kingham Place, Victoria, BC, Canada V9B 1L8.

Reference: This request for interpretation refers to ANSI/ASHRAE Standard 135-2020, Clause 15.7.1.3.1 – ReadPropertyMultiple Service – Result(-) – Error Type and requirements for Proprietary properties.

Background: Clause 15.7.1.3.1 of the ReadPropertyMultiple service lists a set of situations that will return specific error codes. Several error codes defined in Clause 18.3 have specific use cases defined in the standard that override Clause 15.7.1.3.1. For example, Clause 12.50.7.1, Present_Value property and Clause 12.62.5, Present_Stage property allow VALUE_NOT_INITIALIZED to be returned under certain circumstances. Clause 15.5.1.3.1 of the ReadProperty service has the same list of error codes.

The 135-2020 Standard does not specify proprietary properties are limited to the error codes specified in Clause 15.7.1.3.1.

Interpretation: When a proprietary property is read from a device using a ReadPropertyMultiple or ReadProperty service, the device is not limited to the list of error codes defined in 15.7.1.3.1 and 15.5.1.3.1 respectively and is allowed to return an appropriate error code as defined in Clause 18.3.

Question: Is this Interpretation correct?

Answer: Yes