

**INTERPRETATION IC 135-2020-26 OF  
ANSI/ASHRAE STANDARD 135-2020 BACnet® -  
A Data Communication Protocol for Building  
Automation and Control Networks**

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**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 15.10, WritePropertyMultiple Service and the allowed error classes and codes when the entire service is rejected.

**Background:**

Clause 15.10.1.3.1 of the WritePropertyMultiple Service states Error Class: SERVICE and Error Code: INVALID\_TAG indicate "A syntax error is encountered in the message **after one or more properties have been successfully written.**"

Clause 15.10.2 of the of the WritePropertyMultiple Service states: "**A BACnet-Reject-PDU shall be issued only if no write operations have been successfully executed,** indicating that the service request was rejected in its entirety. If any of the write operations contained in the 'List of Write Access Specifications' have been successfully executed, a Result(-) response indicating the reason for the failure shall be issued as described above.

Clause 20.1.7 BACnet-Error-PDU states: "The BACnet-Error-PDU is used to convey the information contained in a service response primitive ('Result(-)') that indicates the reason why a previous confirmed service request **failed either in its entirety or only partially.**"

The statement "A BACnet-Reject-PDU shall be issued only if no write operations have been successfully executed..." means either:

1. Only a BACnet-Reject-PDU can be issued when no writes are successful executed and BACnet-Error-PDU cannot be issued or
2. BACnet-Reject-PDU is only issued when no writes are successful.

**Interpretation #1:** A BACnet-Error-PDU or BACnet-Reject-PDU can be issued when a WritePropertyMultiple Service has failed in its entirety.

**Question:** Is this Interpretation correct?

**Answer:** Yes

**Comments:** Both responses are possible, see Clause 20.1.8.