

**INTERPRETATION IC 135-2004-4 OF  
ANSI/ASHRAE STANDARD 135-2004 BACnet® -  
A Data Communication Protocol for Building  
Automation and Control Networks**

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**Reference:** This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 135-2004, Sections 12.25.14, Log\_Buffer, 12.25, and 15.7.2, Service Procedure.

**Background:** A Trend Log's log buffer includes Status Flags in its entries, under certain conditions. However, the specification of those conditions is inconsistent. In Section 12.25.14, it is specified that the flags are included only if they can be obtained atomically with the value, as occurs with change of value (COV) notification. However, in Section 12.25 it specifies that the flags are included if ReadPropertyMultiple (RPM) is used to obtain the values. This is inconsistent because Section 15.7.2 specifies that RPM is not necessarily atomic.

**Interpretation:** The specification in Section 12.33 (that Status Flags should be included if ReadProperty Multiple is used) is inconsistent and should be ignored. Status Flags should only be included if they are obtained atomically with the associated value, as specified in Section 12.25.14.

**Question:** Is this interpretation correct?

**Answer:** No.

**Comments:** The Status\_Flags shall be included if ReadPropertyMultiple or COV notification is used. This issue of atomicity has previously been identified and the committee is currently considering a proposal to address the issue.