

**INTERPRETATION IC 135-2020-13 OF
ANSI/ASHRAE STANDARD 135-2020 BACnet® -
A Data Communication Protocol for Building
Automation and Control Networks**

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Request from: Horst Hannappel, MBS GmbH, Roemerstrasse 15, Krefeld, D-47809.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 135-2020, Clauses 13.9.1.1.12 and 13.8.1.1.12, regarding ToState Argument in EventNotifications.

Background: Consider an event generating object with several not acknowledged transitions. Now a transition is acknowledged which is not the most recent transition. This leads to an EventNotification with NotifyType AckAlarm. Question is, what should be the ToState in the EventNotification?

13.9.1.1.12 ToState

This parameter, of type BACnetEventState, shall indicate the Event_State of the object after the occurrence of the event that initiated this notification.

(same issue for 13.8.1.1.2)

It is not obvious, what should be considered “the event that initiated this notification”. If one considers the AcknowledgeAlarm service request were that event the ToState should be the then current Event_State. But if one considers the original transition, that is being acknowledged were that event the Event_State after that original transition should become the ToState.

I think the wording in the standard should be improved by specifically stating what the ToState should be when Notify_Type is ack-notification.

Interpretation: The ToState in an EventNotification with NotifyType ack-notification shall be the EventState after the transition, that is being notified as acknowledged.

Question: Is this Interpretation correct?

Answer: Yes

Comments: The existing language is not clear about what ToState is with respect to the notification acknowledgement. The correct language should be “The ToState in an Event Notification with NotifyType ack-notification is the state that is being acknowledged.”