

Clarification Request

References: ASHRAE 135.1-2023, ASHRAE 135-2024, Test Package 26.0.

Date of BTL-WG Response: September 18, 2025

Background:

12.4.7 Event_State

This read-only property, of type BACnetEventState, is included in order to provide a way to determine whether this object has an active event state associated with it (see Clause 13.2.2.1). If the object supports event reporting, then the Event_State property shall indicate the event state of the object. **If the object does not support event reporting, then the value of this property shall be NORMAL.**

12.4.30 Reliability_Evaluation_Inhibit

This property, of type Boolean, indicates whether (TRUE) or not (FALSE) reliability-evaluation is disabled in the object. This property is a runtime override that allows temporary disabling of reliability-evaluation.

When reliability-evaluation is disabled, the Reliability property shall have the value NO_FAULT_DETECTED unless Out_Of_Service is TRUE and an alternate value has been written to the Reliability property.

7.3.1.21.X1 Reliability_Evaluation_Inhibit Object Test

Reason for Change: No test for this functionality.

Purpose: To verify that Reliability_Evaluation_Inhibit controls whether or not an object performs the reliability-evaluation process.

Test Concept: Select an object, O1, which supports the Reliability_Evaluation_Inhibit property. With Reliability_Evaluation_Inhibit FALSE, make a fault condition exist. Verify that the Reliability property changes. Set Reliability_Evaluation_Inhibit to TRUE. Verify that the Reliability changes to NO_FAULT_DETECTED. Make a fault condition exist and verify that Reliability property remains NO_FAULT_DETECTED.

Configuration Requirements: The Event_State of O1 is NORMAL, and Reliability_Evaluation_Inhibit equals FALSE.

Test Steps:

1. VERIFY Event_State = NORMAL
2. VERIFY Reliability = NO_FAULT_DETECTED
3. MAKE(a fault condition exist for O1)
4. VERIFY Reliability \neq NO_FAULT_DETECTED
5. **VERIFY Event_State = FAULT**
6. IF Reliability_Evaluation_Inhibit is writable THEN
 WRITE Reliability_Evaluation_Inhibit = TRUE
ELSE
 MAKE(Reliability_Evaluation_Inhibit TRUE)
7. VERIFY Reliability = NO_FAULT_DETECTED

8. VERIFY Event_State = NORMAL
9. MAKE(remove the fault condition)
10. VERIFY Reliability = NO_FAULT_DETECTED
11. MAKE(a fault condition exist for O1)
12. VERIFY Reliability = NO_FAULT_DETECTED
13. VERIFY Event_State = NORMAL

Problem:

Step 5 of test 7.3.1.21.X1 assumes the object supports event reporting.

Question:

Can step #5 of test 7.3.1.21.X1 be skipped if the object does not support event reporting?

Response:

Yes.