

Clarification Request

References: BTL - 7.3.1.X9.2

Date of BTL-WG Response: 6-June-2019

☒ All Actions Necessitated have been Completed

Background: “e.g” Specified Tests 14.0.Final or 135.1-2013 Test-Number

BTL - 7.3.1.X9.2 - Event Detection Enable Inhibits FAULT	
Test Conditionality	If Protocol_Revision < 13, then this test shall be skipped.
Test Directives	The objects selected by the tester should include all variants that differ in the set of supported alarming properties, or the writability of any of those properties. At least one instance of each variant should be selected.
Testing Hints	
Notes & Results	

Reason for Change: New functionality added with Addendum 135-2010af. This test does not exist in 135.1-2013.

Purpose: To verify that Event_Detection_Enable disables fault reporting.

Test Concept: When the event-state-detection process is disabled via the Event_Detection_Enable, both the event algorithm and the Reliability value are ignored, and Event_State remains NORMAL. Select an event generating object, O1 that is configured for event reporting and which can be made to go into FAULT. Set the Event_Detection_Enable property to FALSE. Create a condition which would cause O1 to transition to FAULT, if Event_Detection_Enable were TRUE. Verify the Event_State is NORMAL and the Acked_Transitions, Event_Time_Stamps, and Event_Message_Texts are equal to their respective initial conditions, as mandated in the standard, and no notification messages are transmitted.

Configuration Requirements: O1 is an object capable of detecting and reporting an event for a FAULT condition, and the Event_Detection_Enable can be set to FALSE. Reliability_Evaluation_Inhibit is equal to TRUE. For this test, NO_TS equals a BACnetDateTime with all unspecified values, a BACnet Time with all unspecified values, or a sequence number of 0.

Test Steps:

1. VERIFY Event_Detection_Enable = FALSE
2. IF Reliability is writable THEN
WRITE Reliability = (any value other than NO_FAULT_DETECTED)
ELSE
MAKE (a condition exist which would cause O1 to transition to FAULT, if Event_Detection_Enable were TRUE)
3. WAIT **Notification Fail Time**
4. CHECK (that the IUT did not send any event notifications due to this condition)
5. VERIFY Event_State = NORMAL
6. VERIFY Acked_Transitions = (T,T,T)
7. VERIFY Event_Time_Stamps = [NO_TS, NO_TS, NO_TS]
8. IF Event_Message_Texts property exists THEN
VERIFY Event_Message_Texts = [", ", ""]

Problem:

The above listed testcase is the part of the Base Requirement section of AE-N-I-B.
The device claims support for PR 14 and support AE-N-I-B, but does not support for any fault algorithm nor is the Reliability writable

So, execution of step 2 is not possible.

Question:

- 1)Can we skip this testcase if Object cannot be made to go into FAULT
- 2)Shall we update the test Conditionality

Response:

- 1) **YES.**
- 2) **YES. The Test Package will be updated.**