

Clarification Request

References: BTL Testplan 5.0 final
Test 7.3.1.12, reference 135.1-2007

Background / Proposed Solution:

Trend Log objects cannot be set to issue a TO_OFFNORMAL transition (only TO_NORMAL and TO_FAULT are allowed by the standard).

Test 7.3.1.12 is applied to Trend Log objects and requires to write or make a value equal an OFFNORMAL state.

This condition cannot be set for Trend Log objects.

7.3.1.12 Notify_Type Test

Dependencies: ConfirmedEventNotification Service Initiation Tests, 8.4; UnconfirmedEventNotification Service Initiation Tests, 8.5; WriteProperty Service Execution Tests, 9.22.

BACnet Reference Clauses: 12.1.29, 12.2.25, 12.3.26, 12.4.22, 12.6.24, 12.7.28, 12.8.26, 12.12.6, 12.15.21, 12.16.21, 12.17.35, 12.18.19, 12.19.20, 12.20.20, 12.23.28 and 12.25.24.

Purpose: To verify that the value of the Notify_Type property determines whether an event notification is transmitted as an alarm or as an event. This test applies to Event Enrollment objects and Accumulator, Analog Input, Analog Output, Analog Value, Binary Input, Binary Output, Binary Value, Life Safety Point, Life Safety Zone, Loop, Multi-state Input, Multi-state Output, Multi-state Value, Pulse Converter and Trend Log objects that support intrinsic reporting.

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1. VERIFY (E1), Event_State = NORMAL
2. VERIFY (E2), Event_State = NORMAL
3. WAIT (Time_Delay + Notification Fail Time)
4. IF (X1 is writable) THEN
  WRITE X1 = (a value that is OFFNORMAL)
ELSE
  MAKE (X1 a value that is OFFNORMAL)
5. WAIT (Time_Delay)
6. BEFORE Notification Fail Time
  RECEIVE ConfirmedEventNotification-Request,
  'Process Identifier' = (any valid process ID),
  'Initiating Device Identifier' = IUT,
  'Event Object Identifier' = (E1),
  'Time Stamp' = (the current local time),
  'Notification Class' = (the class corresponding to the object being tested),
  'Priority' = (the value configured to correspond to a TO-OFFNORMAL transition),
  'Event Type' = (any valid event type),
  'Notify Type' = ALARM,
  'AckRequired' = TRUE | FALSE,
  'From State' = NORMAL,
  'To State' = OFFNORMAL,
  'Event Values' = (values appropriate to the event type)

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Response:

The test does not work for Logging objects as written. The test will be modified to apply to all object types which generate Notifications.