Clarification Request

References: BTL Test Plan 12.0.final, test BTL - 7.3.1.10

Date of BTL-WG Response: January 10, 2013

Background:

BTL test 7.3.1.10

7.3.1.10 Event_Enable Tests

Reason For Change: The test does not call out what to do if the Event_Enable property is read-only and the IUT cannot be configured as specified in the Configuration Requirements. This test also contains an error in step 11. There should not be a wait after the event-triggering property is put into a FAULT state. There is no SSPC proposal for this test.

Dependencies: ConfirmedEventNotification Service Initiation Tests, 8.4; UnconfirmedEventNotification Service Initiation Tests, 8.5; ReadProperty Service Execution Tests, 9.18; WriteProperty Service Execution Tests, 9.22.

BACnet Reference Clauses: 12.1.23, 12.2.24, 12.3.20, 12.5.22, 12.6.26, 12.7.24, 12.11.10, 12.14.18, 12.15.18, 12.16.33, 12.17.17, 12.18.18, 12.19.18 and 12.23.23.

Purpose: To verify that notification messages are transmitted only if the bit in Event_Enable corresponding to the event transition has a value of TRUE. This test applies to Event Enrollment objects and 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, and Multi-state Value objects that support intrinsic reporting.

Test Concept: The IUT is configured such that the Event_Enable property indicates that some event transitions are to trigger an event notification and some are not. Each event transition is triggered and the IUT is monitored to verify that notification messages are transmitted only for those transitions for which the Event_Enable property has a value of TRUE.

Configuration Requirements: The Event_Enable property shall be configured with a value of TRUE for either the TO-OFFNORMAL transition or the TO-NORMAL transition and the other event transition shall have a value of FALSE. If the Event_Enable property is not configurable, follow the test steps as written and verify correct behavior for the value of the Event_Enable property. For analog objects the Limit_Enable property shall be configured with the value (TRUE, TRUE). The referenced event-triggering property shall be set to a value that results in a NORMAL condition. If a Notification Class object is being used to configure recipient information the value of the Transitions parameter for all recipients shall be (TRUE, TRUE, TRUE).

In the test description below, "X" is used to designate the event-triggering property.

1. VERIFY Event_State = NORMAL
2. WAIT (Time_Delay + **Notification Fail Time**)

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Problem:

The Purpose: specifies that the test should only be applied to selected object types:

Event Enrollment objects and 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, and Multi-state Value objects

For logging objects there is specifically test 7.3.1.10.X1. But there are quite a number of other objects with intrinsic reporting.

Question:

Should the test be applied to more object types?

Response:

Yes. The test Purpose will be modified to "... any object with intrinsic reporting that supports a TO_OFFNORMAL transition."