

Clarification Request

References: BTL Specified test 7.3.1.X4

Date of BTL-WG Response: April 4, 2013

Background:

BTL - 7.3.1.X4 - Event_Message_Texts Tests

Reason For Change: 135-2008z-1.

Purpose: To verify that the value of the Event_Message_Texts property is updated when an object generates an event notification.

Test Concept: Read the Event_Message_Texts from the object. Transition the object through each event state which is enabled in the object saving the Message Text parameter from the received notification. Verify that the Event_Message_Texts updates with the Event_Message_Texts value received from the notification.

Configuration Requirements: The IUT shall be configured with an event-generation object, O1 which shall be in a NORMAL Event_State at the beginning of the test. If the algorithm of the object does not support NORMAL to NORMAL transitions, then the TO-OFFNORMAL bit of the Event_Enable shall be TRUE.

In the test description below X1 is used to designate the event-triggering property linked to O1.

Test Steps:

1. READ EMT = Event_Message_Texts
2. IF (Event_Enable is (TRUE, ?, ?)) THEN
3. IF (X1 is writable) THEN
 - WRITE X1 = (a value that is OFFNORMAL)
- ELSE
 - MAKE (X1 a value that is OFFNORMAL)
4. WAIT (Time_Delay)
5. BEFORE **Notification Fail Time**
 - RECEIVE ConfirmedEventNotification-Request,
 - 'Process Identifier' = (any valid process ID),
 - 'Initiating Device Identifier' = IUT,
 - 'Event Object Identifier' = (O₁),
 - 'Time Stamp' = (the IUT's local time),
 - 'Notification Class' = (the class corresponding to the
 - object being tested),
 - 'Priority' = (the configured TO-OFFNORMAL
 - priority),
 - 'Event Type' = (any valid event type),
 - 'Notify Type' = Notify_Type,
 - 'AckRequired' = (the configured value for the TO-
 - OFFNORMAL transition),
 - 'From State' = NORMAL,

'To State' = OFFNORMAL,
'Message Text' = (M: any valid value placed into
EMT[1]),
'Event Values' = (values appropriate to the event type)
6. VERIFY Event_Message_Texts = EMT

Problem:

In step 5 a ToState of OFFNORMAL is expected. Many Algorithms will produce different states like High-Limit, etc.

Questions:

Should any state that is Offnormal, besides the specific OFFNORMAL be allowed in step 5?

Response:

Yes, and in the test revise other instances of all-caps OFFNORMAL to offnormal, and in step 5 accept (any valid offnormal state). The BTL-WG also noted that the Configuration Requirements are incorrect. If the IUT does not contain any objects which can transition to any offnormal state, then this test shall be skipped."