

Clarification Request

References: BTL Specified Test 7.3.1.X4

Date of BTL-WG Response: March 6, 2014

Background:

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
 7. IF (Event_Enable is (?, ?, TRUE)) THEN
 8. IF (X_1 is writable) THEN
 WRITE X_1 = (a value that will result in a TO-NORMAL transition)
 ELSE
 MAKE (X_1 a value that will result in a TO-NORMAL transition)
 9. BEFORE Notification Fail Time
 RECEIVE ConfirmedEventNotification-Request,
 'Process Identifier' = (any valid process ID),
 'Initiating Device Identifier' = IUT,
 'Event Object Identifier' = (O_1),
 'Time Stamp' = (the IUT's local time),
 'Notification Class' = (the class corresponding to the
 object being tested),
 'Priority' = (the configured TO-NORMAL
 priority),
 'Event Type' = (any valid event type),
 'Notify Type' = Notify_Type,
 'AckRequired' = (the configured value for the
 TO-NORMAL transition),
 'From State' = (any valid value),
 'To State' = NORMAL,
 'Message Text' = (M: any valid value placed into
 EMT[3]),
 'Event Values' = (values appropriate to the
 event type)
 10. VERIFY Event_Message_Texts = EMT
 ...

Problem:

The test has a step 4 “WAIT (TimeDelay)” after triggering the OFFNORMAL transition in step 3 (marked in yellow). But after triggering the NORMAL in step 8 the WAIT is missing (marked in red).

Question:

Should the test have a “WAIT (Time_Delay)” between steps 8 and 9?

Response:

Yes.