

Clarification Request

References: BTL Testplan 26.0 135.1-2023

Date of BTL-WG Response: May 15, 2025

Background: BTL Testplan 26.0

There is no Conditionality in Testplan 5.2.37 (AE-N-I-B) when to skip this test:

BTL - 8.5.17.9 - CHANGE_OF_RELIABILITY of Event Enrollment Object Fault (UnconfirmedEventNotifications)		
	Test Conditionality	Must be executed.
	Test Directives	
	Testing Hints	

Other Tests in 5.2.37 include a Conditionality when the EE-Object cannot enter any internal fault state:

BTL - 8.5.17.7.1 - Internal Faults Take Precedence Over Monitored Object Faults		
	Test Conditionality	If the IUT does not support an Event Enrollment object which can detect internal faults and monitor an object which detects faults, then this test shall be skipped.
	Test Directives	
	Testing Hints	

This test expects that the EE-Object to enter an internal fault state.

8.5.17.9 CHANGE_OF_RELIABILITY of Event Enrollment Object Fault (UnconfirmedEventNotifications)

Reason for Change: Added verification of pCurrentState after each transition.

Purpose: To verify the Event Enrollment object generates a fault event when the object enters into fault due to an internal unreliable operation.

Test Concept: Select an Event Enrollment object EE1 that can be made to enter into fault due to an internal unreliable operation. Starting EE1 in a NORMAL state, cause a condition which results in an internal fault. Verify that EE1 reports the fault. Clear the condition and verify that EE1 reports the return to NORMAL.

Configuration Requirements: EE1 is configured to be able to enter a fault state and to report. EE1 is initially configured to have no fault conditions present, and Event_State is NORMAL. The 'Issue Confirmed Notifications' parameter shall have a value of FALSE.

1. VERIFY pCurrentReliability = NO_FAULT_DETECTED
2. VERIFY pCurrentState = NORMAL
3. MAKE (EE1 enter any internal fault state)
4. BEFORE **Notification Fail Time**
RECEIVE UnconfirmedEventNotification-Request
 'Process Identifier' = (any valid process identifier),
 'Initiating Device Identifier' = IUT,
 'Event Object Identifier' = EE1,
 'Time Stamp' = (any valid time stamp),
 'Notification Class' = (the notification class configured for EE1),
 'Priority' = (the value configured for the transition),
 'Event Type' = CHANGE_OF_RELIABILITY,
 'Message Text' = (optional, any valid message text),
 'Notify Type' = ALARM | EVENT,
 'AckRequired' = TRUE | FALSE,
 'From State' = NORMAL,
 'To State' = FAULT,
 'Event Values' = ((R1: any value other than
 MONITORED_OBJECT_FAULT
 and NO_FAULT_DETECTED),
 (T, T, ?, ?),
 (M1, any valid monitored object),
 (optional, property value of M1),
 (optional, M1 Status_Flags, (?, F, ?, ?)),
 (0 or more other properties of M1)))
5. VERIFY pCurrentReliability = R1
6. VERIFY pCurrentState = FAULT

Problem:

This test is not executable if the EE-Object does not support internal fault state.

Question:

Can Test 8.5.17.9 be skipped if the device does not contain an Event Enrollment object that supports an internal fault.

Response:

Yes.