

Clarification Request

References: TP12 testplan chapter 5.13.3 test 7.3.2.26.X2

Date of BTL-WG Response: May 23, 2013

Background:

TP12 test 7.3.2.26.X2 sends out EventNotifications that are to be collected by a EventLog Object inside the IUT. Then the logbuffer of the EventLog is read and the log-data is expected to be equivalent to the data from the original Event Notification. The test is to be carried out with "all" different kinds of EventNotifications (This includes ChangeOfCharacterstring or Extended).

Now EventNotifications can contain a number of data elements with practically "unlimited" size. That would be the EventMessageText or the EventParameters which can contain sequences with unrestricted number of elements or data elements of unrestricted types like characterstring. Common device implementations on the other hand have limited memory resources. It should be expected, that a device will want to assign only a predetermined amount of memory (e.g. 60 Byte) to one logbuffer entry.

Problem how a device should handle the situation, that it receives an Event that does not fit into the available memory for a logbuffer entry.
(the same issue probably applies to some more similar tests)

Questions:

In order to pass test 7.3.2.26.X2:

Is a device allowed to restrict the size of entries in EventLog Objects?

Should an Event, that does not fit into the log-buffer be discarded?

Should an Event, that does not fit into the log-buffer be stored only partially?
(which parts and how should a client be informed that elements are missing or truncated?)

Response:

The SSPC will be asked to clarify the correct behavior. In the meantime, the Test Plan will only TRANSMIT EventNotifications in test 7.3.2.26.X2 of a size that the IUT is capable of logging. In test 7.3.2.26.X1, the device shall be capable of logging anything that it emits.