Clarification Request

References: "e.g" Specified Tests 18.1.Final and BTL Specified Tests-20.0_final.pdf and clause 12.39.40

Date of BTL-WG Response: 2022-March-24

Background: "e.g"." Specified Tests 18.1.Final and BTL Specified Tests-20.0_final.pdf

12.39.40 Reliability_Evaluation_Inhibit

> This property, of type BOOLEAN, indicates whether (TRUE) or not (FALSE) reliability-evaluation is disabled in the object. This property is a runtime override that allows temporary disabling of reliability-evaluation.
>
> When reliability-evaluation is disabled, the Reliability property shall have the value NO_FAULT_DETECTED unless Out_Of_Service is TRUE and an alternate value has been written to the Reliability property.

This is regarding the test **BTL - 7.3.1.21.1 (Reliability_Evaluation_Inhibit Test)**

Purpose*:* To verify that Reliability_Evaluation_Inhibit controls whether or not fault conditions are detected.

Test Configuration: O1 is configured to detect and, if event reporting is supported, report unconfirmed events, is in the NORMAL state, and Reliability_Evaluation_Inhibit equals FALSE, so that reliability evaluation for that object is configured to detect fault conditions. If no object exists in the IUT for which fault conditions can be generated then this test shall be skipped.

Problem:
As per clause 12.39.40, test BTL - 7.3.1.21.1 will not work if Out_Of_Service is TRUE and Reliability is written to generate the to fault transition.

Question:

1. Should this test be skipped if the only method for making the object generate a to-fault transition is to set Out_Of_Service TRUE and then write to the Reliability property?

Response:

Yes

The last sentence of the test's Configuration Requirements will be changed to:

> **If no object exists in the IUT for which fault conditions can be generated *or where the only method for causing fault conditions is to write to Reliability while the object is Out_Of_Service,* then this test shall be skipped.**