Clarification Request

References: BTL TP 20.0.1 testplan section 4.7.26

Date of BTL-WG Response: 2023-02-16

Background:

4.7.26 - Data Sharing - WritePropertyMultiple - A / Can Write Constructed Property Values
...
Test Conditionality: "... This test shall be repeated for each standard constructed value that the IUT is able to write."
Testing Hints: "Where a constructed value can take on different forms, such as a constructed value that contains optional elements, or is a CHOICE, the tester ==should test all forms of the datatype==."

Problems:

If you take Test Conditionality and especially Testing Hints seriously you can end up with an excessive amount (thousends, millions, ???) of test instances for this innocent looking single testplan entry. Please consider among other properties those, that include data type „Abstract Syntax and Type". Each single one would expand to uncountable instances if you try to test „…all forms of the datatype…"!

Examples of standard properties with such data types would be:
- action list in command objects
- tags in each object
- Timer object has some
- time value pairs in schedule objects
- ...

Also parts of what is written in Test Conditionality and Testing Hints should rather be Test Directives.

Questions:

1. **Will text be moved from Conditionality and Hints to Directives?**
2. **Will the language be changed to significantly reduce the number of instances of the test a lab is required to execute?**
3. **Will the language be changed to give proper guidance to the tester which variants of values they are required to test?**

RESPONSE:

1. **Yes, the conditionality text should be in Directives along with the Hints.**

2. **Yes, the language of the test will be updated to reduce the number of instances of the test that are required to be executed.**

3. **Yes, the language of the test will be updated to offer better guidance on which variants to test.**