Clarification Request

References: ==Specified Tests 18.1== tests 7.3.1.6.11, 7.3.1.6.12

Date of BTL-WG Response: April 29, 2021

⊠All Actions Necessitated have been Completed

Background: "e.g" ==Specified Tests 14.0.Final or 135.1-2013 Test-Number==

7.3.1.6.12 Minimum_On_Time - Value Source Mechanism

Reason for Change: This test is not specified in any SSPC proposal.

Purpose: To verify that the value source used for priority 6 is the commanded object while Minimum_On_Time is in effect.

Test Concept: A commandable object which supports the value source mechanism is selected for the test. When Minimum_On_Time takes effect, the Present_Value is written. The Value_Source and Value_Source_Array properties are monitored to verify that the source for priority 6 is the commanded object.

Configuration Requirements: The object, O1, to be tested shall be configured such that slot 6 in the Priority_Array and ==Value_Source_Array== has a value of NULL. The object being tested must also be configured with Minimum_On_Time values sufficiently large enough to allow execution of this test. If no object exists with Minimum_On_Time property, this test shall be skipped.

Test Steps:
1. VERIFY Value_Source = (any valid value)
2. VERIFY Priority_ Array = NULL, ARRAY INDEX = 6
3. ==VERIFY Value_Source_Array = NULL, ARRAY INDEX = 6==

4. WRITE Present_Value = ACTIVE, PRIORITY > 6
5. VERIFY Present_Value = ACTIVE
6. VERIFY Priority_Array = ACTIVE, ARRAY INDEX = 6
7. VERIFY Value_Source === O1==
8. VERIFY Value_Source_Array = ==O1,== ARRAY INDEX = 6
9. WAIT (Minimum ON/OFF Fail Time + Minimum_On_Time)

10. ==VERIFY Value_Source = 'None'==

Test 7.3.6.11 is the same pattern for off time instead of on time.

Problems:

One major and two minor problems

- **In step 10 the testspec expects Value_Source property to be 'None' (maybe better write NULL). But the actual value would not be NULL. Instead the value would be the result of the WRITE in step 4.**
- **In steps 7 and 8 a ValueSource is compared to "O1", which is an "object". But Value source is a choice with one selection a device object reference. Comparing to a mere object does not give good direction.**
- **The configuration requirements ask for NULL in Value_Source_Array at index 6. But the standard does not indicate how to get back to the initial NULL once a command at that priority has been issued. The Value_Source might stay "for ever" at a non NULL value. So that part of the configuration requirement might be difficult to achieve (depending on IUT implementation) and at the same time it might not be really important for the purpose of the test (but checked in step 3).**

Question:

How should the tests be executed in face of the mentioned problems?

Response:

Ignore the configuration requirement that the Value_Source_Array starts with the value null at Array Index = 6 and skip Step 3

At step 7, allow for the property value to include the local device object.

In step 10, verify the Value_Source is not O1.