

Clarification Request

References: BTL Test Plan-12.0.final, BTL Specified Tests-12.0.final Tests: 7.3.2.23.X.3.8, 7.3.2.23.X.3.10, 7.3.2.23.X.3.11, 7.3.2.23.X.3.12

Date of BTL-WG Response: May 14, 2015

☒ All actions necessitated have been completed

Background:

For simplicity, I have included only the 'Purpose' of the tests, as the actual test steps are not in question:

7.3.2.23.X.3.8 – Revision 4 Event Priority Test

Purpose: To verify that a BACnetSpecialEvent of a higher priority takes precedence over one of lower priority when both are active at the same time, and that it relinquishes to the lower priority.

7.3.2.23.X.3.10 – Revision 4 Calendar Entry WeekNDay Odd-Numbered Month Test

Purpose: To verify that a date matching a WeekNDay's Month field, specifying odd-numbered months (BACnetWeekNDay month enumeration value 13), in an Exception_Schedule enables the referencing Schedule object.

7.3.2.23.X.3.11 – Revision 4 Calendar Entry WeekNDay Even-Numbered Month Test

(Same as 7.3.2.23.X.3.10 but for even-numbered months)

7.3.2.23.X.3.12 – Revision 4 Lower Event Priority Change Test

Purpose: To verify that when a BACnetSpecialEvent of a higher priority takes precedence over one of lower priority, that a change in the lower priority level is not observed in Present_Value until control is relinquished to it.

All of the tests identified above require the presence of an Exception_Schedule property that can be made to contain more than one SpecialEvent. Having more than one SpecialEvent is not required for the SCHED-I-B BIBB (ref K.3.2) but the Test Plan states explicitly that these tests 'must be executed'. As the implementation of an Exception_Schedule with a single SpecialEvent suits the needs of the product and meets the requirements for the BIBB, it does not make sense that these tests 'must be executed'.

In the case of 7.3.2.23.X.3.8 & 7.3.2.23.X.3.12 – these tests do not apply when the Exception_Schedule can have only one SpecialEvent.

In the case of 7.3.2.23.X.3.10 and 7.3.2.23.X.3.11 – these tests should still be applied to the IUT but cannot be applied as written. These tests are similar to other WeekNDay tests but, for some reason, they also seek to test the Schedules ability to prioritize SpecialEvents. That is an important testable point but it is not the purpose of these tests and that testable point is covered in other tests.

Question:

Should the test package be modified to allow Schedule objects to contain a single SpecialEvent in the Exception_Schedule property?

Response:

There is no requirement in the standard for length greater than 1. The BTL Test Package will be modified, accordingly.