

Clarification Request

References: BTL Test Plan 14.0.final, 135.1-2013 SCHED-I-B-Test-7.3.2.23.10.3.7 et al.

Date of BTL-WG Response: 6-April-2017

☒ All actions necessitated have been completed

Background:**135.1-2013 - 7.3.2.23.10.3.7****7.3.2.23.10.3.7 Revision 4 Calendar Entry WeekNDay Day Of Week Test**

Dependencies: ReadProperty Service Execution Tests, 9.18; TimeSynchronization Service Execution Tests, 9.30.

BACnet Reference Clause: 12.24.8.

Purpose: To verify that a date matching a WeekNDay's DayOfWeek field in an Exception_Schedule enables the referencing Schedule object.

Test Concept: The IUT's local date and time are changed to values that are selected by the TD based on the criteria in Table 7-10. The value of the Present_Value property is monitored to verify that the scheduled write operations occur.

Configuration Requirements: The IUT shall be configured to contain a Schedule object with an Exception_Schedule containing a BACnetCalendarEntry with a WeekNDay entry specifying the day of the week. The criteria for the dates used in the test are given in Table 7-10. The local date and time shall be set such that the Present_Value property has a value other than V₁.

Table 7-10. Criteria for Calendar Entry WeekNDay Day of Week Test Dates and Values

Date	Criteria	Value
D ₁	1. Date occurs during Effective_Period, 2A. BACnetSpecialEvent incorporates calendarEntry: WeekNDay, 2B. calendarEntry: WeekNDay specifies only DayOfWeek, 2C. Date falls on the specified day of the week, and 2D. Higher eventPriority than any coincident BACnetSpecialEvents.	V ₁
D ₂	1. Date occurs during Effective_Period, 2A. BACnetSpecialEvent incorporates calendarEntry: WeekNDay, 2B. calendarEntry: WeekNDay specifies only DayOfWeek, and 2C. Date does not fall on the specified day of the week.	V ₂

Test Steps:

1. VERIFY Present_Value = (any value other than V₁)
2. (TRANSMIT TimeSynchronization-Request, 'Time' = D₁)
| (TRANSMIT UTCTimeSynchronization-Request, 'Time' = D₁)
| MAKE (the local date and time = D₁)
3. WAIT Schedule Evaluation Fail Time
4. VERIFY Present_Value = V₁

5. (TRANSMIT TimeSynchronization-Request, 'Time' = D₂)
 | (TRANSMIT UTCTimeSynchronization-Request, 'Time' = D₂)
 | MAKE (the local date and time = D₂)
6. WAIT Schedule Evaluation Fail Time
7. VERIFY Present_Value = (any value other than V₂)

Question:

The meaning of the tests is clear for me, but I think the tests 7.3.2.23.10.3.1 to 7.3.2.23.10.3.7 are not consistent and expressed with language difficult to understand.

In the column Criteria under 1. and 2C there are Dates. Are this Dates references to D1 and D2 or are these Dates a third Date?

Are there two or just one BACnetSpecialEvents? That means, is 2A and 2B in Table 7-10 for D1 and D2 the same BACnetSpecialEvent?

If there are two BACnetSpecialEvents: Is V2 within the second BACnetSpecialEvent or belongs V2 to the Date outside this BACnetSpecialEvents, as stated from 2C?

If V2 is outside the BACnetSpecialEvents, then TestStep 7 is wrong.

When I take a look at the other tests: 7.3.2.23.10.3.1 to 7.3.2.23.10.3.6 then the meaning of the tests are all the same, but the Test step 7 are different.

Response:

“VERIFY Present_Value = (any value other than V2)” is far too weak a specification, since the Present_Value could become the Schedule_Default and that be the same value as V2. or Present_Value become a value in some other Time-Value pair which is the same value as V2.

We will revise the tests, also clarifying wording.

- 1. D1 is the date used in the Time Synchronization, and which occurs during Effective_Period, in criteria 2C. D1 is a date which falls on the specified day of the week**
- 2. There are two.**
- 3. There are two. D2 is a different date from D1.**
- 4. Since as D2 “does not fall on the specified day of the week” as criteria 2C. states, so does not meet the criteria, step 7 is correct.**
- 5. Other tests used a D1 and then also a D2 where both dates did meet the criteria.**
- 6. A sentence will be added in Configuration Requirements that the Time in the Synchronization-Request is an active time for the Time-Value pairs in the Exception_Schedule entry that each criteria is intended to match.**