

Clarification Request

Request from: Lori Tribble (btl-manager@bacnetinternational.org)

References: ASHRAE 135.1-2007

Stage: ☒Request, ☒Listed, ☒Analysis, ☒Resolved

Background / Proposed Solution:

The original Effective_Period Test seems to have a mistake in step 7. This test is also missing the UTCTimeSynchronization calls. Here is the proposed amended test.

7.3.2.23.1 Effective_Period Test

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

BACnet Reference Clause: 12.24.6.

Purpose: To verify that Effective_Period controls the range of dates during which the Schedule object is active.

Test Concept: Two Date values are chosen by the TD based on the criteria in Table 7-1 such that one is outside of the Effective_Period and the other corresponds to a known scheduled state inside the Effective_Period. The IUT's local date and time are changed between these dates and the Present_Value property is monitored to verify that write operations occur only within the Effective_Period.

Configuration Requirements: The IUT shall be configured with a schedule object such that the time periods defined in Table 7-1 have uniquely scheduled values. The local date and time shall be set such that the Present_Value property has a value other than V_1 .

Table 7-1. Criteria for Effective_Period Test Dates and Values

Date:	Criteria:	Value:
D ₁	1. Date occurs during Effective_Period, and 2. Date is active either in Weekly_Schedule or Exception_Schedule.	V ₁
D ₂	1. Date does not occur during Effective_Period, and 2. Date is active either in Weekly_Schedule or Exception_Schedule.	V ₂ different from V ₁ .

Test Steps:

1. VERIFY Present_Value = (any value other than V₁)
2. (TRANSMIT TimeSynchronization-Request, 'Time' = D₁)
 (TRANSMIT UTCTimeSynchronization-Request, 'Time' = D₁, converted to UTC)
 | 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, converted to UTC)
 | MAKE (the local date and time = D₂)
6. WAIT Schedule Evaluation Fail Time
7. VERIFY Present_Value = V₂

Question:

Is this interpretation correct?

Response:

Yes.