Clarification Request

References: BTL Test Plan 12 specified test 9.22.1.X2

Date of BTL-WG Response: May 5, 2013

Background:

9.22.1.X2 Writing to Properties Based on Data Type

1. X = READ (Object1), P1
2. TRANSMIT WriteProperty-Request,
   'Object Identifier' = Object1,
   'Property Identifier' = P1,
   'Property Value' = (any valid value defined for this property subject to the restrictions specified in the EPICS as defined in 4.4.2, except the value X determined in step 1)
3. RECEIVE Simple-ACK-PDU
4. VERIFY (Object1), P1 = (the value used in step 2)

This test expects that the value written in step 2 is equal to the value read in step 4.

Now there is a device, which does only accept Exception_Schedule entries with a resolution of 60 seconds. The internal device configuration does only accept hours and minutes for the TimeValuePairs, but no seconds and hundredth-seconds. These will be automatically filled with zero.

But if this device is configured via BACnet (e.g. WriteProperty), there is no filter for seconds or hundredth-seconds.

What does happen?

Step 2:

Exception_Schedule has been written with:

(([0] [0] (Tuesday,23-April-2013),((04:00:30.00,[9] 0)),1))

Step 4:

The IUT will return this value:

(([0] [0] (Tuesday,23-April-2013),((04:00:00.00,[9] 0)),1))

Note: The same does apply to Weekly_Schedule.

Questions:

The IUT has changed the “seconds-parameter” in the TimeValuePair automatically from “30” to “0”. This is related to the internal device resolution of 60 seconds.

Is this behaviour acceptable?

Response:

"Yes. The BTL will update the test package to require that Schedule resolution in TimeValue pairs, support granularity equal to or finer than one minute."