

Clarification Request

Request From: trupti.shete@protocoltestlab.com

References: BTL Test Plan-16.1

Stage: Request, Listed, Analysis, Resolved

Actions Necessitated: Checklist/Test Plan Change, BTL Specified Tests Change,

SSPC Interpretation Required, Implementation Guidelines Change,
 _____,

Date of BTL-WG Response: February 27, 2020

All Actions Necessitated have been Completed

Background: BTL- 9.23.2.X12 BACnetDateRange Non-Pattern Properties Test using

Purpose: To verify that the property being tested does not accept special date field values, except for fully unspecified start of the range or fully unspecified end of the range, or both.

Test Concept: A BACnetDateRange property, or property that is a complex datatype containing BACnetDateRange P1 is written with each of the special field values to ensure that the property does not accept them. Each half of the dateRange DR1 is selected so it is within the range that the IUT will accept for the property. The value, V1 written to the property is the dateRange DR1 with one of its fields replaced with one of the date special values. If the property is a complex datatype, the other fields in the value shall be set within the range accepted by the IUT. This test shall only be applied to devices claiming Protocol_Revision 11 or higher.

Test Steps:

1. REPEAT SV = (year unspecified, month unspecified, day of month unspecified, day of week unspecified, odd months, even months, last day of month, even days, odd days) DO {
2. TRANSMIT WritePropertyMultiple-Request,
 'Object Identifier' = O1,
 'Property Identifier' = P1,
 'Property Value' = (DR1 with startDate updated with special value SV)
3. RECEIVE WritePropertyMultiple-Error,
 'Error Class' = PROPERTY,
 'Error Code' = VALUE_OUT_OF_RANGE,
 'Object Identifier' = Object1,
 'Property Identifier' = P1
 | (BACnet-Reject-PDU
 'Reject Reason' = INVALID_PARAMETER_DATATYPE)
 | (BACnet-Reject-PDU
 'Reject Reason' = INVALID_TAG)
4. TRANSMIT WritePropertyMultiple-Request,
 'Object Identifier' = O1,
 'Property Identifier' = P1,
 'Property Value' = (DR1 with endDate updated with special value SV)
5. RECEIVE WritePropertyMultiple-Error,

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'Error Class' = PROPERTY,  
'Error Code' = VALUE_OUT_OF_RANGE,  
'Object Identifier' = Object1,  
'Property Identifier' = P1)  
| (BACnet-Reject-PDU  
'Reject Reason' = INVALID_PARAMETER_DATATYPE)  
| (BACnet-Reject-PDU  
'Reject Reason' = INVALID_TAG)  
}
```

Notes to Tester: if P1 is an array, then a non-zero array index may be provided in the TRANSMIT and the same array index observed in the WritePropertyMultiple-Error.

Problem:

Test Plan 16.1 had added newly testcase BTL- 9.23.2.X12 for WritePropertyMultiple, in line with what we had already for WriteProperty service BTL -7.2.X7. Where special value “day of week unspecified” was not defined in testcase BTL -7.2.X7 but now along with other special values “day of week unspecified” is present in testcase BTL- 9.23.2.X12 which is conflicting the both testcases.

Question:

1. Does testcase needs modification as it is not in line with special values mentioned in the test testcase BTL -7.2.X7.

Response:

1. **Yes. This test will be modified to be consistent with 7.2.X7.**