

**Testing and Conformance Clarification-Request No.: 20071119-41**

(Request-Nr, assigned by moderator: yyyyymmxx where xx=sequence# within the month)

Request from: Frank.Schubert@mbs-software.de
(From BTF Intensive Workshop in Krefeld)

Stage:

- Request
- Listed by moderator
- Analysis by (TGTC or individual):.....
- Resolved

Reference: [referenced document(s) with number and revision]

7.3.2.23.6.W1 loop never ends

Background:

The Loop in test step 6 will never end.

Question / proposed solution:

Move steps 3 and 4 (Read Total_Record_Count) and ReadPropertyAck to be step 1 and 2 of the test.

Response:

[By BIG-EU TGTC or by BTL-WG]

The BTL-WG agrees and the test will be changed as follows:

7.3.2.23.6.1 Stop_When_Full TRUE Test

Dependencies: ReadProperty Service Execution Tests, 9.18; WriteProperty Service Execution Tests, 9.22.

BACnet Reference Clause: 12.23.12.

Purpose: To verify that Stop_When_Full set to TRUE properly indicates that the Trend Log ceases collecting data when its Log_Buffer acquires Buffer_Size data items.

Test Concept: The Trend Log is configured to acquire data by whatever means. Data is collected until more than Buffer_Size records have been collected and Log_Enable is verified to be FALSE.

Configuration Requirements: Start_Time, if present, shall be configured with a date and time preceding the beginning of the test. Stop_Time, if present shall be configured with the latest possible date and time, in order that it occur after the end of the test. Stop_When_Full, if configurable, shall be set to ~~FALSE~~TRUE. Log_Enable shall be set to FALSE.

Test Steps:

1. TRANSMIT ReadProperty-Request,
 'Object Identifier' = (the object being tested),
 'Property Identifier' = Total_Record_Count,



2. RECEIVE ReadProperty-ACK,
'Object Identifier' = (the object being tested),
'Property Identifier' = Total_Record_Count,
'Property Value' = (any valid value, X)
34. WRITE Record_Count = 0
42. WAIT **Internal Processing Fail Time**
- ~~3. TRANSMIT ReadProperty Request,
_____ 'Object Identifier' = _____ (the object being tested),
_____ 'Property Identifier' = _____ Total_Record_Count,~~
- ~~4. RECEIVE ReadProperty ACK,
_____ 'Object Identifier' = _____ (the object being tested),
_____ 'Property Identifier' = _____ Total_Record_Count,
_____ 'Property Value' = _____ (any valid value, X)~~
5. WRITE Log_Enable = TRUE
6. WHILE ((Total_Record_Count - (value X returned in step 4)) modulo 2^{32} < Buffer_Size) DO { }
7. WAIT **Internal Processing Fail Time**
8. VERIFY Log_Enable = FALSE