

Clarification Request

References: 135.1 – 2007 - 7.3.2.24.6.2 Stop_When_Full FALSE Test

Background / Proposed Solution:

This is the 7.3.2.24.6.2 **Stop_When_Full FALSE Test**

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

BACnet Reference Clause: 12.25.12.

Purpose: To verify that Stop_When_Full set to FALSE properly indicates that the Trend Log continues collecting data after 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 TRUE.

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. Log_Enable shall be set to FALSE.

Test Steps:

1. WRITE Record_Count = 0
2. 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+1))
DO { }
7. WAIT **Internal Processing Fail Time**
8. VERIFY Log_Enable = TRUE

Test Plan has Test Conditionality: Only applicable if this property is writable.

Question:

Whether this test may be skipped when Stop_When_Full property of the TrendLog object of this device is ReadOnly and the value is fixed to False.

Response:

No, this test shall not be Skipped. We will change the Test Conditionality: in the Test Plan to "Only applicable if the Stop_When_Full property is configurable or equal to FALSE." We will also change the Test Conditionality: which governs test 7.3.2.24.6.1 in the Test Plan to "Only applicable if the Stop_When_Full property is configurable or equal to TRUE."