

Clarification Request

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

References: 135.1-2007

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

Background / Proposed Solution:

135.1-2007-7.3.2.24.8 Record_Count Test

This test incorrectly assumes in step 3 that the Log_Buffer will have no records. The Log_Buffer will have 1 entry and it will be the buffer-purged event.

The below test recommendation makes a change to the Test Concept and changes step 3.

7.3.2.24.8 Record_Count Test

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

BACnet Reference Clause: 12.25.15.

Purpose: To verify that the Record_Count property indicates the number of records that are stored in the Log_Buffer.

Test Concept: The Trend Log is configured to acquire data by whatever means. Record_Count is set to zero and Log_Buffer is read to verify ~~no records are present~~ *only one record is present and it is the buffer-purged event*. Collection of data proceeds until Record_Count is about Buffer_Size/2, collection is halted and Log_Buffer is read to verify the Record_Count value. Collection then resumes until Buffer_Size records are read; collection is then halted and Log_Buffer read to verify Record_Count again.

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. Log_Enable shall be set to FALSE.

Test Steps:

1. WRITE Record_Count = 0
2. WAIT **Internal Processing Fail Time**
3. ~~CHECK (that Log_Buffer has no records)~~
3. *VERIFY (Log_Buffer contains 1 entry, and it is the buffer-purged event)*
4. WRITE Log_Enable = TRUE
5. WHILE (Record_Count < Buffer_Size/2) DO { }
6. WRITE Log_Enable = FALSE
7. WAIT **Internal Processing Fail Time**
8. VERIFY (that Log_Buffer has the number of records indicated by Record_Count)
9. WRITE Log_Enable = TRUE
10. WHILE (Record_Count < Buffer_Size) DO { }
11. WRITE Log_Enable = FALSE
12. WAIT **Internal Processing Fail Time**
13. VERIFY (that Log_Buffer has the number of records indicated by Record_Count)

Question:

Is the above test now correct?

Response:

BTL-WG: Yes. The test changes above are correct and will be applied to the BTL Specified Tests.