BACnet® TESTING LABORATORIES ADDENDA

Addendum bw to BTL Test Package 26.1

Revision final
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[This foreword and the "Overview" on the following pages are not part of this Test Package. They are merely informative and do not contain requirements necessary for conformance to the Test Package.]

FOREWORD

The purpose of this addendum is to present current changes being made to the BTL Test Package. These modifications are the result of change proposals made pursuant to the continuous maintenance procedures and of deliberations within the BTL-WG Committee. The changes are summarized below.

BTL-26.1 bw-1: Add Time Series Data BIBBs [BTLWG-0787].....2

In the following document, language to be added to existing clauses within the BTL Test Package 26.1 is indicated through the use of *italics*, while deletions are indicated by ~~strikethrough~~. Where entirely new subclauses are proposed to be added, plain type is used throughout.

In contrast, changes to BTL Specified Tests also contain a yellow highlight to indicate the changes made by this addendum. When this addendum is applied, all highlighting will be removed. Change markings on tests will remain to indicate the difference between the new test and an existing 135.1 test. If a test being modified has never existed in 135.1, the applied result should not contain any change markings. When this is the case, square brackets will be used to describe the changes required for this test.

Each addendum can stand independently unless specifically noted via dependency within the addendum. If multiple addenda change the same test or section, each future released addendum that changes the same test or section will note in square brackets whether or not those changes are reflected.

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BTL-26.1 bw-1: Add Time Series Data BIBBs [BTLWG-0787]

Overview:

Add DM-TSDI-A and DM-TSDE-A to the Test Package 27.

The IUT will export data as a csv file.

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SSPC IRs
The content of the csv does not have to originate from BACnet trend log data. I have created a test for non-trend log data. Is that test good enough or do we want to also test exported data sourced from trend logs?

The exported data can contain missing data as specified in Clause AA.1.2.

Changes:

Checklist Changes

[Append to the end of the Device Management section]

Device Management - Times Series Data Export - A		
	R	Base Requirements
Device Management - Times Series Data Import - A		
	R	Base Requirements

Test Plan Changes

X.1 Device Management - Times Series Data Export - A

X.1.1 Base Requirements

Base requirements must be met by any IUT claiming conformance to this BIBB.

BTL - 13.X.1.1 - Validate Time Series Data Export Test		
	Test Conditionality	Must be executed if the IUT can export a Time Series csv file..
	Test Directives	Repeat this test such that all supported primitive data types are exported. Execute this test at least once exporting a csv file containing a single data column, if supported, and at least once exporting a csv file containing more than one data column, if supported.
	Testing Hints	

X.2 Device Management - Times Series Data Import - A

X.2.1 Base Requirements

There are no tests for this functionality.

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Specified Test Changes

[Add new test to BTL Specified Tests]

13.X.1 Time Series Data Export Tests

13.X.1.1 Validate Time Series Data Export Test

Reason for Change: No test for this functionality.

Purpose: This test verifies the IUT can correctly export a Time Series Data csv file where the data is not from a trend log object.

Test Concept: Configure the IUT to contain a Time Series Data csv file with the specified primitive data type in at least one column, C1, of the file. Export the file and check the file is valid.

Configuration Requirements: None.

Test Steps:

1. MAKE (export time series data as a csv file)
2. CHECK (the top row, first column contains "DateTime")
3. CHECK (the top row, remaining columns contain printable strings and are unique within the row)
4. CHECK (the first column after row 1, contains only valid timestamps)
5. CHECK (column C1 contains only the specified primitive data type or missing data as specified in AA.1.2)

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