



**BACnet<sup>®</sup> TESTING LABORATORIES  
ADDENDA**

**Addendum bc to  
BTL Test Package 20.0.1**

**Revision v2  
Revised 10/5/2022**

Approved by the BTL Working Group on 2022-02-10.  
Approved by the BTL Working Group Voting Members on 2022-10-21.  
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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-20.0.1 bc-1: Changes to AE-VM-A and AE-AVM-A BIBBs [BTLWG-687].....2

In the following document, language to be added to existing clauses within the BTL Test Package 20.0.1 is indicated through the use of *italics*, while deletions are indicated by ~~striketrough~~. 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.

**BTL-20.0.1 bc-1: Changes to AE-VM-A and AE-AVM-A BIBBs [BTLWG-687]**

**Overview:**

Addendum 135-2012bc-3 (PR19) made changes to the AE-VM-A and AE-AVM-A BIBBs to account for Notification Forwarder and Alert Enrollment objects, and new event reporting related properties added with addendum 135-2010af. This work item updates the test package to account for these changes.

**Changes:**

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**Checklist Changes**

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None

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**Test Plan Changes**

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[In BTL Test Plan, modify entry for AE-VM-A]

**5.17.1 Base Requirements**

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

<b>135.1-2019 - 8.18.3 - Reading and Presenting Properties</b>		
	<b>Test Conditionality</b>	Must be executed. If the IUT also claims support for AE-AVM-A, this test may be omitted.
	<b>Test Directives</b>	<i>Repeat for each standard property, in each standard object type, which represent parameters to an event or fault algorithm, listed in tables K-15 and K-16 of the BACnet standard.</i>
	<b>Testing Hints</b>	<i>Repeat for each standard property, in each standard object type, which represent parameters to an event or fault algorithm excluding those for algorithms excluded by the BIBB definition.</i>
<b>135.1-2019 - 8.22.4 - Accepting Input and Modifying Properties</b>		
	<b>Test Conditionality</b>	Must be executed.
	<b>Test Directives</b>	<i>Repeat for each standard property, in each standard object type, which represent parameters to an event or fault algorithm, listed in tables K-15 and K-16 of the BACnet standard. For each parameter, exercise the full range requirements as defined by table K-6.</i>
	<b>Testing Hints</b>	<i>Repeat for each standard property, in each standard object type, which represent parameters to an event or fault algorithm excluding those for algorithms excluded by the BIBB definition. Repeat the test for a variety of values that cover the range of values required by the BIBB.</i>

[In BTL Test Plan, modify entry for AE-AVM-A]

**5.19.1 Base Requirements**

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

<b>135.1-2019 - 8.18.3 - Reading and Presenting Properties</b>		
	<b>Test Conditionality</b>	Must be executed. <del>Note: If the IUT also claims support for AE-AVM-A, this test may be skipped.</del>
	<b>Test Directives</b>	<i>Repeat for each standard property, in each standard object type, which represent parameters, or references to parameters, of event and/or fault algorithms, excluding ACCESS EVENT, BUFFER READY, CHANGE OF LIFE SAFETY, and FAULT LIFE SAFETY.</i>

<b>Testing Hints</b>	<p>Repeat for each standard property, in each standard object type, which represent parameters to an event or fault algorithm excluding those for algorithms excluded by the BIBB definition.</p> <p>Repeat for each property listed in the tables in the BIBB, in each standard object type, excluding those for algorithms excluded by the BIBB definition.</p>
<b>135.1-2019 - 8.22.4 - Accepting Input and Modifying Properties</b>	
<b>Test Conditionality</b>	Must be executed.
<b>Test Directives</b>	<p><i>Repeat for each standard property, in each standard object type, which represent parameters, or references to parameters, of event and/or fault algorithms, excluding ACCESS_EVENT, BUFFER_READY, CHANGE_OF_LIFE_SAFETY, and FAULT_LIFE_SAFETY.</i></p> <p><i>Repeat for each standard property for Notification class and Notification Forwarder objects that is not mandated as read-only by the standard.</i></p>
<b>Testing Hints</b>	<p>Repeat for each standard property, in each standard object type, which represents parameters to an event or fault algorithm excluding those for algorithms excluded by the BIBB definition.</p> <p>Repeat for each property listed in the tables in the BIBB, in each standard object type, excluding those for algorithms excluded by the BIBB definition.</p> <p>Repeat the test for a variety of values that cover the range of values required by the BIBB.</p>

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## Specified Test Changes

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None