BACnet® TESTING LABORATORIES
ADDENDA

Addendum bf to
BTL Test Package 16.1

Revision 2
Revised 2/25/2020

Approved by the BTL Working Group on January 30, 2020.
Approved by the BTL Working Group Voting Members on April 6, 2020.
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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.

In the following document, language to be added to existing clauses within the BTL Test Package 16.1 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 <mark>yellow</mark> 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-16.1bf-1: Network Management Router Configuration Testing - BTLWG-77

Overview:

Replace placeholder Checklist and Test Plan entries for NM-RC-A.

Changes:

BTL Checklist Changes

[In BTL Checklist, replace Network Management - Router Configuration - A section]

Support	Listing	Option
		Network Management - Router Configuration - A
	R	Base Requirements
	C[1]	Is able to configure Network Port objects
[1] This option is required if the IUT claims Protocol_Revision 17 or higher.		

BTL Test Plan Changes

[In BTL Test Plan, replace 10.5 Network Management - Router Configuration - A section]

10.5 Network Management - Router Configuration - A

10.5.1 Base Requirements

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

135.1-2013 - 10.5.2.X1 - Query A Router's Known Routes		
	Test Conditionality	Must be executed.
	Test Directives	
	Testing Hints	

10.5.2 Is able to Configure Network Port Objects

The IUT is able to create, delete, read and modify Network Port objects.

135.1-2013 - 8.18.3 - Reading and Presenting Properties		
	Test Conditionality	Must be executed.
	Test Directives	Repeat the test for all standard properties of the Network Port object, excluding the Object_Identifier and Object_Type properties.
	Testing Hints	
135.1-2013 - 8.22.4 - Accepting Input and Modifying Properties		
	Test Conditionality	Must be executed.
	Test Directives	Repeat the test for all standard properties of the Network Port object, excluding the Object_Identifier and Object_Type properties. Also exclude any properties that are required to be read-only by the BACnet standard. Repeat the test for a variety of values that cover the range of values required by the "Minimum Writable Value Ranges" table in the DS-M-A BIBB definition.
	Testing Hints	
Verify Checklist		
	Test Conditionality	Must be executed.

	Test Directives	Verify that the IUT claims support for DM-OCD-A for Network Port objects.
	Testing Hints	

BTL Specified Tests Changes

[In BTL Specified Tests, insert clause 10.5.2.x]

10.5.2.X1 Query A Router's Known Routes
Purpose: To verify that the IUT can query a router to determine which routes are accessible through it.

Test Concept: Make the IUT query the router, to determine their routes and verify that the IUT conveys the information to the user.

Configuration: The TD is configured as a router which does not support Network Port objects (Protocol_Revision < 17).

Test Steps:

1. MAKE (the IUT initiate an Who-Is-Router-To-Network message)
2. RECEIVE Who-Is-Router-To-Network
        DESTINATION = TD | LOCAL_BROADCAST

3. TRANSMIT   I-Am-Router-To-Network,
        Network Numbers =   (L: a valid list of networks)
4. CHECK (the IUT presents the router's known routes)