

## Clarification Request

**Request from:** BTL Manager (btl-manager@bacnetinternational.org)

**References:** "BTL Implementers Guide-17", "BTL Checklist-3.0.final", "BTL Test Plan 3.0.final"

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

### Background / Proposed Solution:

Item 1:

Section 5.1.3 of BTL Test Plan 3.0.final is used indicate support for the notification object when the device supports AE-N-I-B. The checklist indicates this is required functionality for the BIBB. The test called out for this functionality is BTL-7.3.2.20.3.X1 - Recipient\_List Property Supports Network Address Recipients. According to the BTL Implementer's Guide v17, support for the Address portion of the Recipient\_List Property is not required by the BTL although highly recommended. See the Checklist, Test Plan and Implementer's Guide snippets below for details.

Snippet from the BTL Functionality Checklist 3.0.final:

Alarm and Event - Notification Internal - B		
	R	Base Requirements
	R	Supports AE-INFO-B
	R	Supports the Notification Class Object

Snippet from the BTL Test Plan 3.0.final:

#### 5.1.3 Supports Notification Class Object

The IUT supports the Notification Class Object in order to send notifications.

BTL - 7.3.2.20.3.X1 Recipient_List Property Supports Network Address Recipients		
	Test Method	
	Configuration	
	Test Conditionality	
	Testing Hints	The tester shall verify that the IUT claims support for the Notification Class Object in the Checklist.
	Results	

Snippet from the BTL Implementer's Guide v17:

#### 9.4 Support the 'device' form of BACnetRecipient and the DM-DDB-A BIBB

The BTL requires that for devices that generate alarms or events (i.e. support the AE-NI-B, AE-NE-B, or T-ATR-B BIBBs) to receive a BTL Listing, the 'device' option (the BACnetObjectIdentifier form) of the 'Recipient' parameter of BACnetDestination elements of the Recipient\_List property of the Notification Class object shall be supported. In addition to this the BTL requires support for the DM-DDB-A BIBB (initiate the Who-Is service in order to locate alarm recipients).

The BTL also recommends support for the 'address' option (the BACnetAddress form), including the broadcast form of the 'address' option.

Item 2:

In the Notification Object section of the Test Plan, the package requires two tests be run against the Recipient\_List Property. The first test verifies the support of the Device Identifier portion and the second test verifies the support for the Address portion of the Recipient\_List Property.

See the included sections of the Checklist and Test Plan below.

Notification Class Object		
	R	Base Requirements
	R	Supports DM-DDB-A
	R	Supports writable Recipient_List properties

### 3.15.3 Supports Writable Recipient\_List Properties

The IUT supports Recipient\_List properties that are modifiable via the WriteProperty service. Any legal value must be writable.

Verify Checklist		
	Test Method	Manual
	Configuration	
	Test Conditionality	Must be executed.
	Testing Hints	The tester shall verify that the IUT claims support for Data Sharing - WriteProperty - B and writable list properties in the Checklist.
	Notes & Results	
BTL - 9.22.1.X2 - Writing to Properties Based on Data Type		
	Test Method	Manual
	Configuration	The property that is written for this instance of this test shall be the Recipient_List property.
	Test Conditionality	Must be executed.
	Testing Hints	Verify that any legal value of BACnetDestination (as a list element) can be written.
	Notes & Results	
BTL - 7.3.2.20.3.X Recipient_List Property Supports Device Identifier Recipients		
	Test Method	Manual
	Configuration	As per <i>BTL Specified Tests</i> .
	Test Conditionality	Must be executed.
	Testing Hints	
	Notes & Results	
BTL - 7.3.2.20.3.X1 Recipient_List Property Supports Network Address Recipients		
	Test Method	Manual
	Configuration	As per <i>BTL Specified Tests</i> .
	Test Conditionality	Must be executed.
	Testing Hints	Execute test multiple times using unicast, local broadcast, remote broadcast and global broadcast addresses. Use unicast MAC addresses of 1-6 octets.
	Notes & Results	

**Question:**

Does the BTL require that an IUT accept both the Device Identifier and the Address Portion of the Recipient\_List Property?

**Response:**

The BTL requires all forms of the Recipient\_List property to be supported. The BTL will update the Implementer's Guide to correctly portray our requirements.

**BTL Implementer's Guide Change:**

**9.4 Support all forms of BACnetRecipient and the DM-DDB-A BIBB**

The BTL requires that for devices that generate alarms or events (i.e. support the AE-NI-B, AE-NE-B, or T-ATR-B BIBBs) to receive a BTL Listing all forms of the 'Recipient' parameter of BACnetDestination elements of the Recipient\_List property of the Notification Class object shall be supported. In addition to this the BTL requires support for the DM-DDB-A BIBB (initiate the Who-Is service in order to locate alarm recipients).