

## Clarification Request

**References:** Test Plan section 6.4.2

**Date of BTL-WG Response:** May 26, 2011

☒ All actions necessitated have been completed

### Background

There is no BIBB suitable for an object containing a writable `Exception_Schedule` and no `Weekly_Schedule`. That situation, especially for an internal `Schedule`, should be fine.

An object containing a writable `Exception_Schedule` and no `Weekly_Schedule` does not match the `SCHED-R-B` BIBB, because of the writable `Exception_Schedule`.

K.3.2 BIBB - Scheduling-Internal-B (`SCHED-I-B`) states as requirements:

The B device provides date and time scheduling of the values of specific properties of specific objects within the device. In addition to supporting the `DS-RP-B` and `DS-WP-B` BIBBs, each device claiming conformance to `SCHED-I-B` shall also possess at least one `Calendar` and one `Schedule` object. Devices claiming conformance to `SCHED-I-B` shall also support either `DM-TS-B` or `DM-UTC-B`.

The `Schedule` object must support at least 6 entries per day. The `List_of_Object_Property_Reference` property shall support at least one entry. The `Schedule` object must support a non-empty `Exception_Schedule` property. The `Priority_For_Writing` property in the `Schedule` object shall be writable.

From that, the Test Plan for `SCHED-I-B` has BTL-R "Supports concurrent weekly and exception schedules" but the `Weekly_Schedule` should not be required. The correct interaction, and the presence of `Exception_Schedule`, rather than the presence of both, should be the requirement.

K.3.4 BIBB - Scheduling-Readonly-B (`SCHED-R-B`)

The B device provides read-only `Schedule` object(s). Each device claiming conformance to `SCHED-R-B` shall be capable of possessing at least one `Schedule` object, support `DS-RP-B` and either `DM-TS-B` or `DM-UTC-B`. The `Weekly_Schedule` and `Exception_Schedule` properties of the `Schedule` object shall be read-only when accessed directly via BACnet services, but may be modifiable by other means.

This BIBB is primarily included in the BACnet standard to allow gateway devices to indicate support for exposing the content of schedules found in devices from other protocols.

### Proposed Solution:

In the below **highlighted** sections, *italics/strikethrough* indicate the suggested corrections.

In BTL Checklist:

<b>Scheduling - Internal – B</b>		
	R	Base requirements

	BTL-R	Supports <del>concurrent</del> <i>correct interaction of</i> weekly and exception schedules
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In BTL Test Plan:

#### 6.4.2 Supports ~~Concurrent~~ *Correct Interaction of* Weekly and Exception Schedules

The IUT supports Schedule objects that ~~support-interact correctly, if both Weekly\_Schedule and Exception\_Schedule properties are present~~ *concurrently, as is required for a BTL Listing.*

BTL - 7.3.2.23.4 - Weekly Schedule and Exception Schedule Interaction Test		
	Test Method	Manual
	Configuration	As per <i>BTL Specified Tests</i> .
	Test Conditionality	This test shall be executed if and only if the IUT is prior to protocol revision 4. <del>If the IUT is of the correct Protocol Revision, the IUT is required to be configurable such that this test can be run. This test may not be skipped. If it is impossible to configure the IUT in the manner specified by this test, the test shall be omitted.</del>
	Test Directives	
	Testing Hints	
	Notes & Results	<del>Old Reference: 135.1-2003-7.3.2.22.4</del>
BTL - 7.3.2.23.X2.4 - Revision 4 Weekly Schedule and Exception Schedule Interaction Test		
	Test Method	Manual
	Configuration	As per <i>BTL Specified Tests</i> .
	Test Conditionality	This test shall be executed if and only if the IUT is protocol revision 4 or higher. <del>If the IUT is of the correct Protocol Revision, the IUT is required to be configurable such that this test can be run. This test may not be skipped. If it is impossible to configure the IUT in the manner specified by this test, the test shall be omitted.</del>
	Test Directives	
	Testing Hints	
	Notes & Results	

#### Question:

Does this change in conditionality of these two tests, and renaming the section, implement the intent of the BTL Test plan?

#### Response:

No. The BIBBs correctly require the presence of the Weekly\_Schedule property.