BACnet® TESTING LABORATORIES

INTERIM TEST SPECIFICATION

Revision 15.0a
Revised February 5, 2015

Forward

The purpose of this document is to define interim tests and other test package changes made to support testing of a device that supports functionality currently not covered in the released BTL Test Package. This document should be applied and used with BTL Test Package 14.0.

Vendors who are planning to submit a device for testing and who implement Protocol_Revision 15 should use this Interim Test document.

 Please note that there may be other tests for other functional areas that may also be required for your device. Please contact the BTL Manager before submitting your device for testing to ensure you are aware of all tests that will need to be applied to your device.

The changes in this document are for interim use only and may or may not be used as documented here when the final changes are applied to the next Test Package revision. Devices tested using this interim test document shall be recalled for updated testing when the next revision test package is released that includes the topics covered here.

The changes in this document are summarized below:

BTL-TP15.0a-1 Test considerations in EPICS Consistency that need to be taken into account when applying the current test package to a device of protocol revision 15.

In the following document, language to be added to existing clauses of ANSI/ASHRAE 135.1-2013 or any part of the Test Package 14.0 are indicated through the use of *italics*, while deletions are indicated by ~~strikethrough~~. Where entirely new sections are proposed to be added, plain type is used throughout.

Overview:

1. Although the EPICS CONSISTENCY test did not change, there are implied updates that are the result of the specification changes. The following should be considered when applying the EPICS Consistency tests.

(i) For each object included in the test database, all required properties for that object as defined in Clause 12 of BACnet shall be present. In addition, if any of the properties supported for an object require the conditional presence of other properties, their presence shall be verified.

    a. In the Device object:

        CHECK(that either Time_Synchronization_Recipients, UTC_Time_Synchronization_Recipients, Time_Synchronization_Interval, Align_Intervals, and Interval_Offset are all present, or that none is present)

(k) The length of the Protocol_Services_Supported bitstring shall have the number of bits defined for BACnetProtocolServicesSupported for the IUT's declared protocol revision.

    b. The Protocol_Services_Supported property of the Device object is required to be 41 bits in length for Protocol_Revision 15.

(l) The length of the Protocol_Object_Types_Supported bitstring shall have the number of bits defined for BACnetObjectTypesSupported for the IUT's declared protocol revision.

    c. The Protocol_Object_Types_Supported property of the Device object is required to be 55 bits in length for Protocol_Revision 15.

Changes:
None.