

Clarification Request

References: BTL Test Plan 12.0 chapter 9.3

Date of BTL-WG Response: September 26, 2013

Background:

TP 12 chapter 9.3 BACnet/IP - Annex J - non-BBMD Functionality

9.3.1 Base Requirements

Base requirements must be met by any IUT that can act, or can be made to act, as a BACnet/IP device in a non-BBMD mode.

Some of the tests in that chapter e.G. “14.1.5 - Read-Foreign-Device-Table” Have a conditionality of “If the IUT is able to change into/out-of BBMD Mode via Write-BDT, then this test shall be skipped.”.

Others like “14.1.3 – Register-Foreign-Device” have a conditionality of “must be executed”.

Questions:

1. How exactly should one decide whether a device is/can be in “BBMD mode”?
What is the exact specification for the implied method of changing in and out of “BBMD mode” by writing to the BDT?
2. Why should a device be allowed to skip test 14.1.5 but be required to pass 14.1.3?
Both seem equally related to the BBMD functionality of managing foreign devices. Either both should be required or both should be allowed to be skipped.
3. Is it allowed or required for a device, that has been configured non BBMD by write-bdt with an empty list to still contain one entry in the BDT for its own adress?

Additional Comment:

The separation of BACnet IP tests in chapters 9.3 and 9.4 seems somewhat strange.to me. There should be one Chapter BACnet/IP – Annex J and then subchapters with functionality for all BACnet IP devices and subchapters for BBMD functionality.

Response:

1. **At the beginning of any given test there is no question whether the vendor instructions put it into either BBMD mode or not-BBMD mode as required by that section of testing.**
2. **A device shall NAK a Register-As-Foreign-Device. It is a local matter whether the device NAKs or ACKS non-modifying service calls while in non-BBMD mode. That does not represent an interoperability issue.**
3. **No. If a device were to configure non-BBMD mode by executing a Write-BDT with an empty list, yet still contain one entry in the BDT, then it stayed in BBMD mode."**