

Clarification Request

References: BTL Test Plan 12.0

Date of BTL-WG Response: March 6, 2014

Background:

from 135-2010:

----- J.4.4 BBMD Configuration

The configuration of the BACnet-related capability of a BBMD shall consist of supplying it with a BDT. The table may be supplied by local means or by means of the BVLL Write-Broadcast-Distribution-Table message.

This paragraph seems to suggest, that it is allowed for a BBMD to be configured only by local means and not support the Write-Broadcast-Distribution-Table message. There seems to be no hint in the norm to suspect otherwise.

14.3.3 Verify Broadcast Distribution Table Created from the Configuration Saved During the Previous Session

Purpose: To verify that a BBMD will update the BDT in the local configuration database and initialize it at startup.

Configuration Requirements: The IUT's BDT does not consist of the same entries as are written in step 1.

Test Steps:

1. TRANSMIT

DA = IUT,
SA = D1,
Write-Broadcast-Distribution-Table,
(List of BDT entries consisting of three entries
IUT 255.255.255.255
BBMD1 255.255.255.255
BBMD2 255.255.255.255
)

2. RECEIVE

DA = D1,
SA = IUT,
BVLC-Result,
'Result Code' = Successful completion

3. WAIT (Vendor specified period for BDT to be saved in non-volatile memory)

4. MAKE (the IUT reset)

5. TRANSMIT

DA = IUT,
SA = D1,
Read-Broadcast-Distribution-Table

6. RECEIVE

DA = D1,
SA = IUT,
Read-Broadcast-Distribution-Table-Ack,

List of BDT Entries

7. CHECK (List of BDT Entries consisting of three entries (order unspecified)

IUT	255.255.255.255
BBMD1	255.255.255.255
BBMD2	255.255.255.255

)

Problem:

Test **14.3.3 Verify Broadcast Distribution Table Created from the Configuration Saved During the Previous Session** is marked with the Conditionality "Must be executed".

Questions:

Should 14.3.3 have a Conditionality "If the IUT does not support the Write-Broadcast-Distribution-Table message, this test may be skipped."?

If we change merely the test, the test would be "check, that the IUT configuration tool is able to perform a change on the BBMD configuration that will then survive an IUT restart". In contrast to the current "check that a BBMD configuration change by means of BACnet WriteBDT will survive a restart".

Response:

"If execution of the Write-Broadcast-Distribution-Table message is not supported, then steps 1 and 2 can be substituted by operations with a local configuration tool