

Clarification Request

References: BTL Specified Tests-16.1.Final.pdf

Date of BTL-WG Response: September 17, 2020

All actions necessitated have been completed

Background:

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

Reason for Change: Revised test to allow testing when BDT can be configured with local configuration tool only.

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 can either be written in step 1 or configured with a local configuration tool.

Test Steps:

1. IF (The IUT's BDT can be written with Write-Broadcast-Distribution-Table) THEN
 TRANSMIT
 DA = IUT,
 SA = D1,
 Write-Broadcast-Distribution-Table,
 (List of BDT entries consisting of three entries at least one of which is different from what it has
 IUT 255.255.255.255
 BBMD1 255.255.255.255
 BBMD2 255.255.255.255
)
 RECEIVE
 DA = D1,
 SA = IUT,
 BVLC-Result,
 'Result Code' = Successful completion
ELSE
 MAKE (the IUT's BDT different, so that values in the BDT at step 6 can be distinguished)
- 2.. WAIT (Vendor specified period for BDT to be saved in non-volatile memory)

Question:

In the current BTL specified test, it allows to configure BDT via configuration tool.

1. Can IUT respond with BVLC-Result, with 'Result Code' = Successful completion and will allow BDT entries as non-volatile / persistence only from configuration tool?

2. If not, then what should be the response of "Write-Broadcast-Distribution-Table " if IUT allows BDT entries to be persisted via the configuration tool only.

Response:

The test is incorrect. BBMD's claiming Protocol Revision_16 and prior are expected to accept and persist values via the Write-Broadcast-Distribution-Table service.

BTL's position was derived from clause J.4.3 of the standard:

"A BBMD shall be able to be configured to accept Foreign Device registrations, shall support the two-hop broadcast distribution method, and shall support the execution of all BDT and FDT read and write messages defined in Clause J.2."