

Clarification Request

References: ASHRAE 135.1-2025, ASHRAE 135-2024, Test Package 26.1.

Date of BTL-WG Response: March 19, 2026

Background:

J.2.1 BVLC-Result: Purpose

This message provides a mechanism to acknowledge the result of those BVLL service requests that require an acknowledgment, whether successful (ACK) or unsuccessful (NAK). These are: Write-Broadcast-Distribution-Table (ACK, NAK); Read-Broadcast-Distribution-Table (NAK only); Register-Foreign-Device (ACK, NAK); Read-Foreign-Device-Table (NAK only); Delete-Foreign-Device-Table-Entry (ACK, NAK); and **Distribute-Broadcast-To-Network (NAK only)**.

12.3.8.5 Transmits a Broadcast at Startup preceded by Register-Foreign-Device

Purpose: Verify that mode for use of Register-Foreign-Device and setting of 'BBMD Address' parameter are persistent across reset, and that the issuance of Register-Foreign-Device precedes the first issuance of any broadcast, when in that mode.

Test Concept: IUT is put in a mode to use Register-Foreign-Device requests persistently so it will be re-established, then IUT is reset, and the timing of Register-Foreign-Device request to re-establish that precedes the first issuance of any broadcast.

Configuration Requirements: The product's setting of 'BBMD Address' parameter is configured as BBMD1. BBMD1 is the TD simulating a correctly functioning BBMD implementation.

Notes to Tester: For the I-Am, one can precede the Register-Foreign-Device command, as long as then after the Register-Foreign-Device occurs, it is followed by a Distribute-Broadcast-To-Network again, of that I-Am.

Test Steps:

1. MAKE (IUT enter mode for use of Register-Foreign-Device requests, persistently so it will be re-established after any reset)
2. MAKE (IUT reset)
3. RECEIVE DA = BBMD1,
Register-Foreign-Device
4. TRANSMIT BVLC-Result,
'Result Code' = Successful completion
5. RECEIVE DA = BBMD1,
Distribute-Broadcast-To-Network,
NPDU = (any broadcast)
6. TRANSMIT BVLC-Result,
'Result Code' = Successful completion

Problem:

Step 6 of Test 12.3.8.5 requires the TD (BBMD) to respond to a Distribute-Broadcast-To-Network message from the IUT. Clause J.2.1 states a Distribute-Broadcast-To-Network message can only be Nak'd.

Question:

Should Step 6 be removed in test 12.3.8.5?

Response:

Yes.