

## Clarification Request

**References:** ASHRAE 135.1-2023, ASHRAE 135-2024, Test Package 26.0.

**Date of BTL-WG Response:** July 10, 2025

**Background:**

### 9.3.3 Is Able to Operate in Foreign Mode

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<b>135.1-2023 - 12.3.8.5 - Transmits a Broadcast at Startup preceded by Register-Foreign-Device</b>		
	<b>Test Conditionality</b>	If the IUT never transmits a broadcast at startup, this test shall be skipped.
	<b>Test Directives</b>	
	<b>Testing Hints</b>	
...		

#### 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:**

Based on the Test Conditionality, a device that initiates an I-Am on startup in Normal Mode must also initiate an I-Am on startup in Foreign Mode.

**Question:**

Is the Test Conditionality for 12.3.8.5 too strict and the test should be skipped if the device does not initiate a broadcast on startup when in Foreign Mode?

**Response:**

**Yes**