

Clarification Request

Request from: BTL Manager (btl-manager@bacnetinternational.org)

Reference: "BTL Specified Tests-3.0.final", "ASHRAE 135-2004, Annex J"

Background:

The BTL Specified Test BTL – 14.7.3.2 Broadcast Message From a Foreign Device (Two-hop Distribution) incorrectly states that the Distribute-Broadcast-To-Network in Step 1 requires that the Originating-Device be set to FD1. The Distribute-Broadcast-To-Network message does not have an Originating-Device field according to ASHRAE 135-2004 – Annex J.2.10.1.

Here is the corrected test:

14.7.3.2 Broadcast Message From a Foreign Device (Two-hop Distribution)

Reason For Change: See 14.7. This test is not contained in any SSPC proposal.

Configuration Requirements: The BDT and FDT shall be configured as in test 14.7.1.2.

Steps 2-5 are the distribution of the Who-Is request to the devices considered to be members of the BACnet network, steps 6-10 are the distribution of the I-Am response from the local application.

Test Steps:

1. TRANSMIT DESTINATION = IUT, SOURCE = FD1,
Distribute-Broadcast-To-Network,
~~Originating-Device = FD1,~~
NPDU = Who-Is
2. RECEIVE DESTINATION = Local IP Broadcast, SOURCE = IUT,
Forwarded-NPDU,
Originating-Device = FD1,
NPDU = Who-Is
3. RECEIVE DESTINATION = BBMD1, SOURCE = IUT,
Forwarded-NPDU,
Originating-Device = FD1,
NPDU = Who-Is
4. RECEIVE DESTINATION = BBMD2, SOURCE = IUT,
Forwarded-NPDU,
Originating-Device = FD1,
NPDU = Who-Is
5. RECEIVE DESTINATION = FD2, SOURCE = IUT,
Forwarded-NPDU,
Originating-Device = FD1,
NPDU = Who-Is
6. RECEIVE DESTINATION = Local IP Broadcast, SOURCE = IUT,
Original-Broadcast-NPDU,
NPDU = I-Am
7. RECEIVE DESTINATION = BBMD1, SOURCE = IUT,
Forwarded-NPDU,
Originating-Device = IUT,
NPDU = I-Am
8. RECEIVE DESTINATION = BBMD2, SOURCE = IUT,
Forwarded-NPDU,

- Originating-Device = IUT,
NPDU = I-A m
9. RECEIVE DESTINATION = FD1, SOURCE = IUT,
Forwarded-NPDU,
Originating-Device = IUT,
NPDU = I-A m
10. RECEIVE DESTINATION = FD2, SOURCE = IUT,
Forwarded-NPDU,
Originating-Device = IUT,
NPDU = I-A m

Notes to Tester: The order of the messages transmitted by the IUT is not significant.

Question:

Is this corrected test correct?

Response:

Yes.