

Clarification Request

References: Test BTL – 14.7.3.1

Date of BTL-WG Response: __09-Jun-2011__

Background

[Excerpt from 14.7.1.1, for context]

Configuration Requirements: The IUT's BDT shall contain the following three entries:

B/IP Address	Broadcast Distribution Mask
IUT	IP Subnet 1 subnet mask
BBMD1	IP Subnet 2 subnet mask
BBMD2	IP Subnet 3 subnet mask

14.7.3.1 Broadcast Message From a Foreign Device (One-hop Distribution)

Reason For Change: See 14.7. This change is in RL-001 however additional changes were made in BTL-CRR-0026. The proposal RL-004 has been created to include these changes.

Configuration Requirements: The BDT shall be configured as in test 14.7.1.1.

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,
NPDU = Who-Is
2. RECEIVE DESTINATION = Local IP Broadcast, SOURCE = IUT,
Forwarded-NPDU,
Originating-Device = FD1,
NPDU = Who-Is
3. RECEIVE DESTINATION = ~~BBMD1~~ *Directed IP Broadcast to IP Subnet 2*, SOURCE = IUT,
Forwarded-NPDU,
Originating-Device = FD1,
NPDU = Who-Is
4. RECEIVE DESTINATION = ~~BBMD2~~ *Directed IP Broadcast to IP Subnet 3*, 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 = Directed IP Broadcast to IP Subnet 2, SOURCE = IUT,
Forwarded-NPDU,
Originating-Device = IUT,
NPDU = I-Am

8. RECEIVE DESTINATION = Directed IP Broadcast to IP Subnet 3, SOURCE = IUT,
Forwarded-NPDU,
Originating-Device = IUT,
NPDU = I-Am
9. RECEIVE DESTINATION = FD1, SOURCE = IUT,
Forwarded-NPDU,
Originating-Device = IUT,
NPDU = I-Am
10. RECEIVE DESTINATION = FD2, SOURCE = IUT,
Forwarded-NPDU,
Originating-Device = IUT,
NPDU = I-Am

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

Question:

Does the **highlight indicated** change in step 3 and step 4, implement the correct intent of the BTL Test?

Response:

Yes, the change represents a correction for the current BTL Specified Tests-5.0.final version of the test. Addendum 135.1-2009e has comprehensively amended test 14.7.3.1 and represents the test steps differently. The version in Addendum 135.1-2009e shall be applied going forward.