

Clarification Request

Request from: Lori Tribble (btl-manager@bacnetinternational.org)

References: ASHRAE 135.1-2003

Stage: ☒Request, ☒Listed, ☒Analysis, ☒Resolved

Background / Proposed Solution:

Section 9.33.2 contains tests for the execution of the Who-Is Service Requests when originating from a remote network. The first two tests in the section (9.33.2.1 and 9.33.2.2) allow the IUT to respond with an I-Am as a Remote Broadcast. The final test in this section (9.33.2.3) does not.

Test Steps:

1. TRANSMIT

DESTINATION = IUT,
 SNET = (any remote network number),
 SADR = (any MAC address valid for the specified network),
 Who-Is-Request

2. WAIT Internal Processing Fail Time

3. RECEIVE

DESTINATION = GLOBAL BROADCAST | LOCAL BROADCAST
 I-Am-Request,
 'I Am Device Identifier' =(the IUT's Device Object),
 'Max APDU Length Accepted' = (the value specified in the EPICS),
 'Segmentation Supported' = (the value specified in the EPICS),
 'Vendor Identifier' = (the identifier registered for this vendor)

Question:

Should this test also allow the response to be for a REMOTE BROADCAST (to the network specified by SNET in step 1)?

Response:

This test should allow a response of REMOTE BROADCAST. It should not allow a LOCAL BROADCAST response.

1. TRANSMIT

DESTINATION = IUT,
 SNET = (any remote network number),
 SADR = (any MAC address valid for the specified network),
 Who-Is-Request

2. WAIT Internal Processing Fail Time

3. RECEIVE

DESTINATION = GLOBAL BROADCAST | ~~LOCAL BROADCAST~~ REMOTE
 BROADCAST (to the network specified by SNET in step 1)
 I-Am-Request,
 'I Am Device Identifier' =(the IUT's Device Object),
 'Max APDU Length Accepted' = (the value specified in the EPICS),
 'Segmentation Supported' = (the value specified in the EPICS),
 'Vendor Identifier' = (the identifier registered for this vendor)