

Clarification Request

References: Specified Tests 20.0.Final 14.1.10 Forwarded-NPDU (Two-hop Distribution)

Date of BTL-WG Response: June 2, 2022

Background: Specified Tests 20.0.Final 14.1.10 Forwarded-NPDU (Two-hop Distribution)

14.1.10 Forwarded-NPDU (Two-hop Distribution)

Reason For Change: This makes changes to all tests in sections 14.1 and 14.2 and 14.7 that use the I-Am service, to allow the unicast form of the response.

Purpose: To verify that an IUT, not configured as a BBMD, will process a Forwarded-NPDU message.

Configuration Requirements: The IUT should not be configured as a BBMD. The TD shall be on the same subnet as the IUT. D1 is a device on a different IP subnet than the TD.

Test Steps:

1. TRANSMIT DA = Local IP Broadcast, SOURCE SA = TD,
Forwarded-NPDU,
Originating-Device = D1,
NPDU = Who-Is
2. IF (the IUT responds with Unicast I-Am) THEN
RECEIVE DA = D1,
Original-Unicast-NPDU,
NPDU = I-Am
ELSE
RECEIVE DA = Local IP Broadcast, SOURCE = IUT,
Original-Broadcast-NPDU,
NPDU = I-Am
3. CHECK (The IUT shall not issue any Forwarded-NPDUs)

Problem:

In Testplan 20- Chapter 9.3.3 Test 14.1.10 Forwarded-NPDU (Two-hop Distribution)

This test is required for a device in foreign mode.

But 14.1.10 can not really be executed for a device in FD mode for a couple of reasons:

- configuration requirements expect TD (which acts as BBMD) to be in the same IP subnet as the IUT. This does not really look like a reasonable relationship from FD to BBMD
- there is no talk about the IUT to register foreign device to the IUT
- step 1 expects the IUT to listen to a local IP subnet broadcast which is not a reasonable thing to do
- step 2 the else would be unreasonable for an FD
- step 3 would be wrong for an FD

Essentially the whole test is not useful for a device in FD mode.

Question:

Should the Test be skipped in foreign mode?

Response:

Yes. This test may be skipped for foreign mode for now.

Until a replacement test is generated, a test which requires that the IUT respond to a global broadcast shall be applied to the IUT while it is in Foreign mode.