Clarification Request

References: "e.g" Specified Tests 18.1.Final and BTL Specified Tests-20.0_final.pdf

Date of BTL-WG Response: 2022-02-24

Background: "e.g"_" Specified Tests 18.1.Final and BTL Specified Tests-20.0_final.pdf

From IPv6 test:

This is regarding the test BTL - 12.X.2.1.5 Execute Forwarded-Address-Resolution.

Purpose*:* To verify that an IUT, operating in normal IPv6 mode, will process a Forwarded-Address-Resolution message.

Test Concept: The TD, acting as a BBMD, sends a Forwarded-Address-Resolution message to the IUT on behalf of device D2. It is verified that the IUT responds to D2 with an Address-Resolution message.

Test Step:
1. TRANSMIT DA = IUT, SA = TD,
       Forwarded-Address-Resolution,
       Original-Source-Virtual-Address = D2,
       Target-Virtual-Address = IUT
       Original-Source-B/IPv6-Address = D2
2. RECEIVE
       DA = D2, SA = IUT
       Address-Resolution-ACK,
       Source-Virtual-Address = IUT,
       Destination-Virtual-Address = D2

Our Understanding:
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BBMD will never unicast Forwarded-Address-Resolution to device which is not registered in it.
As, IUT is in normal mode, BBMD cannot send unicast Forwarded-Address-Resolution to IUT.
Instead BBMD should broadcast the Forwarded-Address-Resolution in its network.

Also, we feel that IUT should be in same network as that of BBMD. As, BBMD will broadcast the Forwarded-Address-Resolution, then only IUT will receive the request and will respond with ACK.

Question:
1. **Step 1 needs to be changed as:**
       TRANSMIT DA = ~~IUT~~ *B/IPv6 Multicast Address*, SA = TD,
              Forwarded-Address-Resolution,
              Original-Source-Virtual-Address = D2,
              Target-Virtual-Address = IUT

Original-Source-B/IPv6-Address = D2

2. Test configuration needs to be added mentioning: <mark>*IUT and BBMD should be in same domain.*</mark>

RESPONSE:
1. **YES**
2. **YES**