

### Clarification Request

**References:** BTL Test Plan-5.0.final, section 10.1.2 Test Conditionality

**Date of BTL-WG Response:** \_Sep 1, 2011

### Background / Proposed Solution:

The Test Conditionality requirements of the following two tests appear to modify the test specifications.

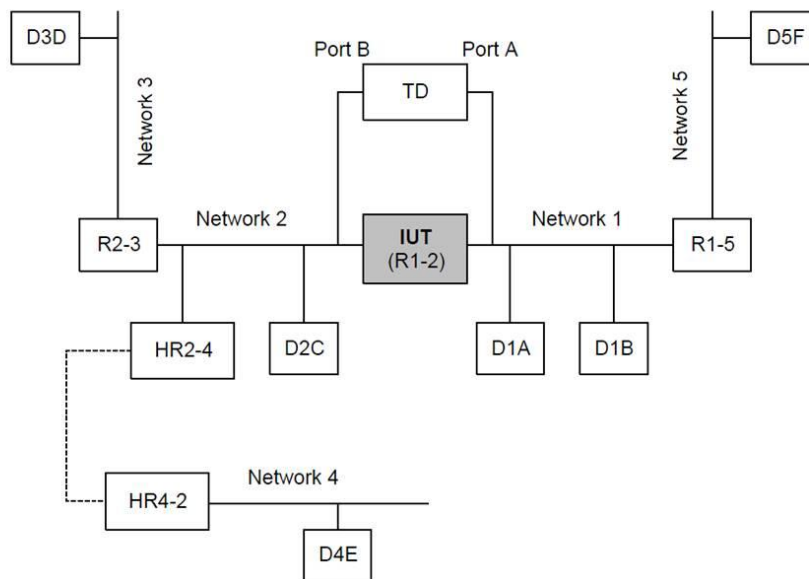


Figure 10-1. Logical internetwork configuration for router functionality tests

135.1-2007 - 10.2.4.7 - Remote Broadcast from a Remote Device to a Remote Network		
Test Method	Manual	
Configuration	As per <i>ASHRAE 135.1-2007</i> .	
Test Conditionality	Must be executed twice for each LAN type supported by the device, once with the source router connected to the LAN and once with destination router connected to the LAN.	
Test Directives		
Testing Hints	Vary the length of SADR (1-6 bytes).	

<b>Notes &amp; Results</b>	
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#### 10.2.4.7 Remote Broadcast from a Remote Device to a Remote Network

Purpose: To verify that the IUT properly forwards remote broadcast messages that originate on a remote network and are directed to a remote network.

Test Steps:

1. TRANSMIT PORT A,  
 DESTINATION = IUT,  
 SOURCE = R1-5,  
 DNET = 3,  
 DLEN = 0,  
 SNET = 5,  
 SADR = D5F,  
 Hop Count = 254,  
 BACnet-Unconfirmed-Request-PDU,  
 'Service Choice' = Who-Is
2. RECEIVE PORT B,  
 DESTINATION = R2-3,  
 SOURCE = IUT,  
 DNET = 3,  
 DLEN = 0,  
 SNET = 5,  
 SADR = D5F,  
 Hop Count = (any integer x, : 0 < x < 254),  
 BACnet-Unconfirmed-Request-PDU,  
 'Service Choice' = Who-Is

BTL - 10.2.4.6 - Remote Broadcast from a Remote Device to a Directly-Connected Network		
	<b>Test Method</b>	Manual
	<b>Configuration</b>	As per test.
	<b>Test Conditionality</b>	Must be executed twice for each LAN type supported by the device, once with the source router connected to the LAN and once with the LAN as the destination network for the remote broadcast.
	<b>Test Directives</b>	
	<b>Testing Hints</b>	Vary the length of SADR (1-6 bytes).
	<b>Notes &amp; Results</b>	

**10.2.4.6 Remote Broadcast from a Remote Device to a Directly-Connected Network**

Reason For Change: The 135.1 test contains errors in the Source, Destination and Hop Count requirements. This change is in JB-015.

Purpose: To verify that the IUT properly forwards remote broadcast messages that originate on a remote network and are directed to a directly-connected network.

Test Steps:

1. TRANSMIT PORT B,  
DA = IUT,  
SA = R2-3,  
DNET = 1,  
DLEN = 0,  
SNET = 3,  
SADR = D3D,  
Hop Count = 254,  
BACnet-Unconfirmed-Request-PDU,  
'Service Choice' = Who-Is
2. RECEIVE PORT A,  
DA = LOCAL BROADCAST,  
SA = IUT,  
SNET = 3,  
SADR = D3D,  
BACnet-Unconfirmed-Request-PDU,  
'Service Choice' = Who-Is

**Question:**

Using the network layout described by the above diagram, what are the two configurations that the Test Conditionality is requiring for each of the tests?

**Response:**

The intent of the Test Conditionality was to ensure that the tests are applied for each of the media that the IUT supports routing to. The wording will be changed to ensure that the intent is clear.

Must be executed a sufficient number of times to ensure that each supported LAN type is tested at least once in each of the 'Network 1' and 'Network 2' positions in Figure 10-1.