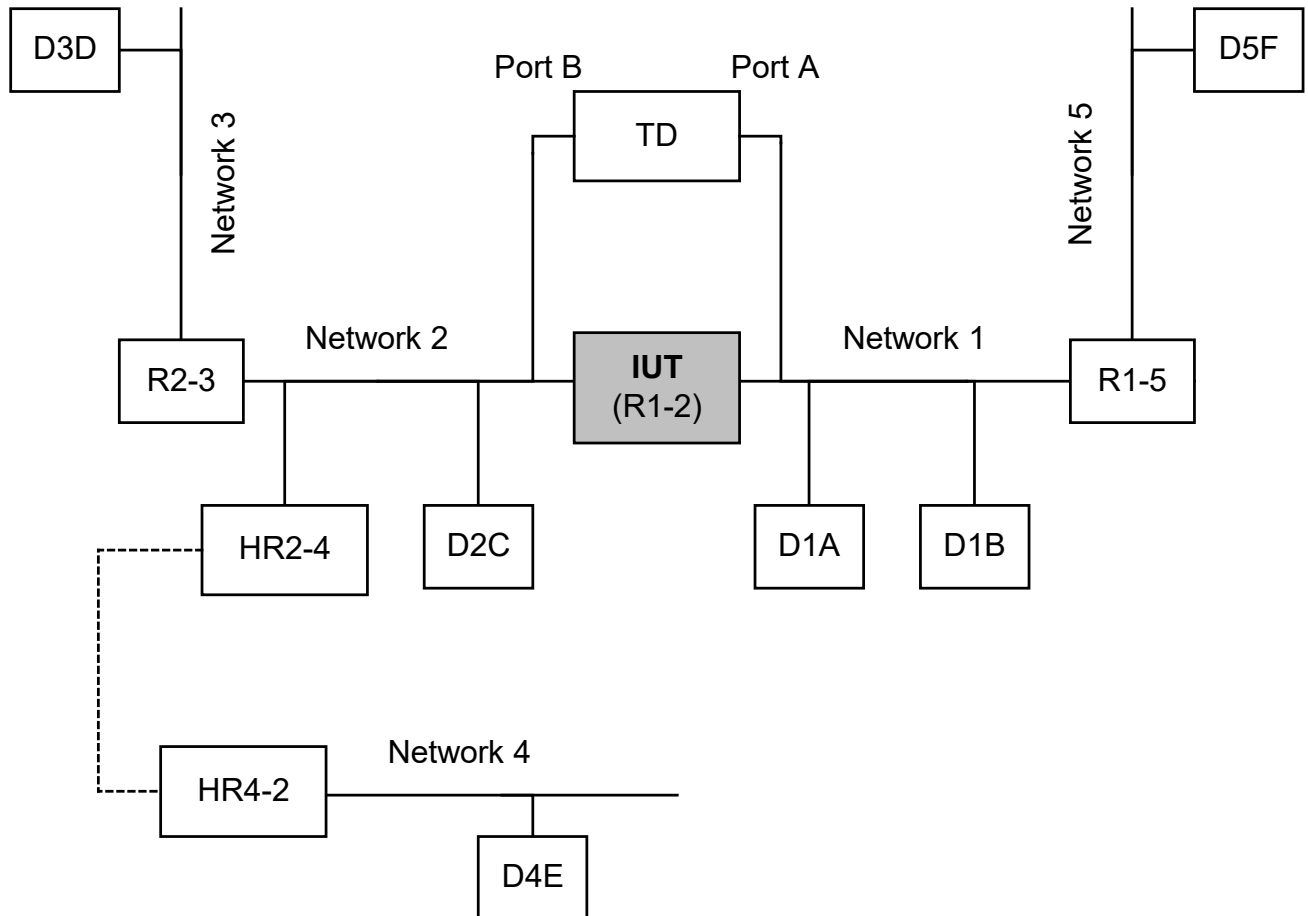


Clarification Request

References: ASHRAE 135.1-2025, ASHRAE 135-2024, Test Package 26.1.

Date of BTL-WG Response: August 6, 2026

Background:



10.2.2.4.2 Forwarding Router-Busy-To-Network Information for all DNETs

Purpose: To verify that the IUT correctly forwards information indicating that all DNETs reachable through a particular router are temporarily unreachable because of traffic congestion.

Notes to Tester: This test is to be run after test 10.2.2.2.5 such that R2-3 is known to be a router to network 6.

Test Steps:

1. TRANSMIT PORT B,
DESTINATION = LOCAL BROADCAST,
SOURCE = R2-3,
Router-Busy-To-Network

2. RECEIVE PORT A,
 DESTINATION = LOCAL BROADCAST,
 SOURCE = IUT,
 Router-Busy-To-Network,
 Network Numbers = 3, 6 | 6, 3 (absent)

10.2.2.5.2 Restoring All DNETs

Purpose: To verify that the IUT updates its network availability information when a Router-Available-To-Network message conveying no DNETs is received.

Notes to Tester: This test is to be run after test 10.2.2.2.5 such that R2-3 is known to be a router to network 6.

Test Steps:

1. TRANSMIT PORT B,
 DESTINATION = LOCAL BROADCAST,
 SOURCE = R2-3,
 Router-Busy-To-Network
2. RECEIVE PORT A,
 DESTINATION = LOCAL BROADCAST,
 SOURCE = IUT,
 Router-Busy-To-Network,
 Network Numbers = 3, 6 | 6, 3
3. TRANSMIT PORT B,
 DESTINATION = LOCAL BROADCAST,
 SOURCE = R2-3,
 Router-Available-To-Network
4. RECEIVE PORT A,
 DESTINATION = LOCAL BROADCAST,
 SOURCE = IUT,
 Router-Available-To-Network,
 Network Numbers = 3, 6 | 6, 3
4. (steps 5-8 elided)

Note that the change to 10.2.2.4.2 was introduced in BTLWG-1452.

6.6.3.6 Router-Busy-To-Network

If a router wishes to curtail the receipt of messages for specific DNETs or all DNETs, it shall generate a Router-Busy-To-Network message.

If a router temporarily wishes to receive no more traffic for one or more specific DNETs, it shall broadcast a Router-Busy-To-Network message with a list of the 2-octet network numbers corresponding to these DNETs. If the 2-octet network numbers are omitted, it means the router wishes to stop the flow of messages to all the networks it normally serves.

Each router receiving a Router-Busy-To-Network message shall update its routing table to indicate that the specified DNETs are not reachable, set or reset a 30-second timer for this status, and broadcast a Router-Busy-To-Network message out each port other than the one on which it was received so that all routers may learn of the congestion control restriction. The congestion control indication shall be cleared upon expiration of the 30-second timer. Upon receiving a message whose destination is on one of the temporarily unreachable DNETs, a router shall send a Reject-Message-To-Network message with a reject reason of 2 to the originating node.

Problem:

Tests 10.2.2.4.2 and 10.2.2.5.2 have identical preconditions, but 10.2.2.5.2 requires network numbers to be present in the body of the Router-Busy-To-Network message and 10.2.2.4.2 does not.

Question:

Which test is correct?

Response:

Test 10.2.2.5.2 is correct.