

Clarification Request

References: "e.g" **BTL Testplan 9.1.1 Test 12.1.3.12**

Date of BTL-WG Response: 13-February-2020

All Actions Necessitated have been Completed

Background:

BTL testplan requires in 9.1.1 base requirements to execute 135.1-2013 12.1.3.12 for MSTP Master devices. 12.1.3.12 is not really itself a test but it asks to execute test 9.33.2.2. In our specific case the IUT when configured for MSTP is a BACnet router between MSTP and BACnet IP. The MAC address for the IUT is not located in the MSTP network but it is located in the IP network.

Test 9.33.2.2 has essentially:

Test Steps:

1. TRANSMIT DESTINATION SNET == LOCAL BROADCAST,
(any remote network number), SADR =
Who-Is-Request

2 BEFORE Unconfirmed Response Fail Time

RECEIVE

DESTINATION =

I-Am-Request,

'I Am Device Identifier' =

'Max APDU Length Accepted' =

...

Problem:

the local broadcast on the MSTP network in step 1 does not reach the IUT because the IUT device MAC is not in the MSTP network. So there is also no I am from the IUT in step 2.

Questions:

- should the test be skipped in above mentioned configuration?

Response:

Yes. The standard does not rule whether routers should be multi-homed or single-homed. Until the standard states whether routers are required to be multi-homed or single-homed, any test mandating a router being multi-homed or single-homed may be skipped.