

Clarification Request

References: Test Plans 14 and 15, Tests in 135.1-2013 - 10.2.3.6.1 and 135.1-2013 - 10.2.3.6.2

Date of BTL-WG Response: 14-DEC-2017

☒ All Actions Necessitated have been Completed

Background:

Tests 10.2.3.6.1, 10.2.3.6.2, and 10.2.2.7.1 expect, that a router, that is targeted by a confirmed request to a device in a destination network, that the router does not know about will first try to figure out a router to that destination network and then act on the original request by either forwarding to the found router or by rejecting.

Problem:

A specific router device has implemented, that in the case above it will first immediately reject the request and only then search for the router to the destination network. Subsequent requests for that destination network will then be properly forwarded.

The situation, that a router is confronted with a confirmed request to a network it does not know is strange to begin with; maybe it can happen when a client uses the not recommended static router configuration. Normally a client will only send that request after first discovering the IUT IS a router to the destination network! This strangeness is a possible Argument in favor of allowing that IUT behavior.

Since router discovery can take more time than the APDU timeout it might make sense to first reject the request, that is another possible Argument in favor of allowing that IUT behavior.

Question:

- 1) should that behavior be allowed?
- 2) are changes to the tests or to the testplan/checklist required?

Response:

- 1) **No. This behavior is not allowed. Please refer to clause 6.5.4 and figure 6-12 in the BACnet Standard.**
- 2) **No changes are necessary.**