Clarification Request

References: "e.g" 135.1 - 7.3.2.46.1.1

Date of BTL-WG Response: 2024-11-14

Background: "e.g" 135.1 – 7.3.2.46.1.1

Clause J.1.2.1 requires that "B/IP devices shall be capable of resolving internet host names to IP addresses"

Clause 12.56.37 requires that the FD_BBMD_Address property is "writable if BACnet_IP_Mode is FOREIGN"

Per the testplan for Data Link Layer – Ipv4/Is Able to Operate in Foreign Mode, test 135.1-7.3.2.46.1.1 Configure Network Through Network Port Object Test has the tester write a value to the FD_BBMD_Address property and then Activate_Changes.

Problem:

The BACnet stack of the device does not currently support DNS resolution, however, the device itself does this when a uri is configured for the FD__BBMD_Address property through the web server of the device.

The FD_BBMD_Address property is writable in the device but returns a Value-out-of-Range error when attempting to write a uri or [0]NULL in the BACnetHostAddress portion of the property value.

This device complies with the requirements set forth in the standard, however, it could fail test 7.3.2.46.1.1 if the tester attempts to use a uri or [0]NULL in the write to the FD_BBMD_Address property.

Question:

Is the current implementation, as described above, compliant with BTL with regards to test 7.3.2.46.1.1?

Response:

No. The intent of the standard is to make the FD_BBMD_Address property configurable through BACnet services. The property must be writable with IP-address and host name CHOICE of the BACnetHostAddress.