

Clarification Request

References: 135.1-2023 - 9.18.1.9
135.1-2023 - 9.20.1.15
135.1-2023 - 9.21.1.15

Date of BTL-WG Response: July 10, 2025

Background: 135.1-2023 - 9.18.1.9
135.1-2023 - 9.20.1.15
135.1-2023 - 9.21.1.15

9.18.1.9 ReadProperty Service when Non-BACnet Device Offline

Purpose: To verify that the ReadProperty service executes successfully when a non-BACnet device is offline.

Test Concept: Object1 is an object which contains information from a non-BACnet device. The non-BACnet device is verified to be online and recognized by the IUT. It is then made to go offline, and the IUT is made to recognize that the device is offline. A property, P1, from Object1 which contains a dynamic value derived from the data in the non-BACnet device is read from the IUT.

Test Steps:

1. CHECK (any vendor-specified indication, that the non-BACnet device is online)
2. MAKE (the non-BACnet device go offline)
3. MAKE (the IUT notice that the non-BACnet device is offline)
4. TRANSMIT ReadProperty Request,
 'Object Identifier' = Object1,
 'Property Identifier' = P1
5. RECEIVE ReadProperty-ACK,
 'Object Identifier' = Object1,
 'Property Identifier' = P1,
 'Property Value' = (V, any valid value)

9.20.1.15 ReadPropertyMultiple Service when Non-BACnet Device Offline

Purpose: To verify that the ReadPropertyMultiple service executes successfully when a non-BACnet device is offline.

Test Concept: Object1 is an object which contains information from a non-BACnet device. The non-BACnet device is verified to be online and recognized by the IUT. It is then made to go offline, and the IUT is made to recognize that the device is offline. A property, P1, from Object1 which contains a dynamic value derived from the data in the non-BACnet device is read from the IUT.

Test Steps:

1. CHECK (any vendor-specified indication, that the non-BACnet device is online)
2. MAKE (the non-BACnet device go offline)
3. MAKE (the IUT notice that the non-BACnet device is offline)
4. TRANSMIT ReadPropertyMultiple-Request,
 'Object Identifier' = Object1,
 'Property Identifier' = P1
5. RECEIVE ReadPropertyMultiple-ACK,
 'Object Identifier' = Object1,
 'Property Identifier' = P1,
 'Property Value' = (any valid value)

9.21.1.15 ReadRange Service when Non-BACnet Device Offline

Purpose: To verify that the ReadRange Service executes successfully when a non-BACnet device is offline.

Test Concept: Object1 is an object which contains information from a non-BACnet device. The non-BACnet device is verified to be online and recognized by the IUT. It is then made to go offline, and the IUT is made to recognize that the device is offline. A property, P1, from Object1 which contains a dynamic value derived from the data in the non-BACnet device is read from the IUT.

Test Steps:

1. CHECK (any vendor-specified indication, that the non-BACnet device is online)
2. MAKE (the non-BACnet device go offline)
3. MAKE (the IUT notice that the non-BACnet device is offline)
4. TRANSMIT ReadRange-Request,
 'Object Identifier' = Object1,
 'Property Identifier' = P1
5. RECEIVE ReadRange-ACK,
 'Object Identifier' = Object1,
 'Property Identifier' = P1,
 'Property Value' = (any valid value)

Problem:

Some embedded object gateways may not be able to detect when the non-BACnet device is offline. This can occur if the IUT waits forever for a value from the non-BACnet device and never interrogates it.

Question:

Can the test be skipped until it has been corrected?

Response:

Yes