

Clarification Request

Request from: Carl Neilson (cneilson@deltacontrols.com)

Reference: BTL-Test-Plan-4.0.1, ASHRAE 135.1-2003, ASHRAE 135-2004

Background:

From 135-2004:

16.1 DeviceCommunicationControl Service

The DeviceCommunicationControl service is used by a client BACnet-user to instruct a remote device to stop initiating and optionally stop responding to all APDUs (except DeviceCommunicationControl or, if supported, ReinitializeDevice) on the communication network or internetwork for a specified duration of time. This service is primarily used by a human operator for diagnostic purposes. A password may be required from the client BACnet-user prior to executing the service. The time duration may be set to "indefinite," meaning communication must be re-enabled by a DeviceCommunicationControl or, if supported, ReinitializeDevice service, not by time.

From 135.1-2003:

135.1 – 9.24.1.1 Indefinite Time Duration Restored by DeviceCommunicationControl

Purpose: To verify the correct execution of the DeviceCommunicationControl request service procedure when indefinite time duration is specified and communication is restored using the DeviceCommunicationControl service.

Test Steps:

1. TRANSMIT DeviceCommunicationControl-Request,
 'Enable/Disable' = DISABLE,
 'Password' = (any appropriate password as described in the Test Concept)
2. RECEIVE BACnet-Simple-ACK-PDU
3. WAIT **Internal Processing Fail Time**
4. TRANSMIT ReadProperty-Request,
 'Object Identifier' = (Device, X),
 'Property Identifier' = (any required non-array property of the Device object)
5. WAIT (an arbitrary time > **Internal Processing Fail Time** selected by the tester)
6. CHECK (Verify that the IUT has not transmitted any messages since the acknowledgment in step 2)
7. TRANSMIT DeviceCommunicationControl-Request,
 'Enable/Disable' = ENABLE,
 'Password' = (any appropriate password as described in the Configuration Requirements)
8. RECEIVE BACnet-Simple-ACK-PDU
9. VERIFY (Device, X),
 (any required non-array property) = (the value for this property specified in the EPICS)

Question:

Should step 6 be changed to:

6. CHECK (Verify that the IUT has not transmitted any ~~messages~~ *APDUs* since the acknowledgment in step 2)

There are probably other tests that are similarly written and should be similarly changed.

Response:

The BTL-WG agrees with this change and will update all tests that require this change.