Clarification Request

References: Specified Tests 18.1 test 9.27.2.X

Date of BTL-WG Response: June 24, 2021

Background: enumerations for "Reinitialized State of Device" have changed with BACnet protocol revisions

9.27.2.X Rejects Unsupported Reinitialize Types

Reason For Change: Added to ensure that non-supported 'Reinitialized State of Device' are properly rejected.

Purpose: Verify that IUT correctly rejects unsupported 'Reinitialized State of Device' values.

Test Concept: Send each unsupported 'Reinitialized State of Device' value to the device and ensure that it correctly rejects the value.

Test Steps:

1. REPEAT S = (each unsupported 'Reinitialized State of Device' value) {
    TRANSMIT ReinitializeDevice
       'Reinitialized State of Device' =   S,
       'Password' =   (any valid value)
    RECEIVE BACnet-Error-PDU
       'Error Class' =   SERVICES,
       'Error Code' =   VALUE_OUT_OF_RANGE |
                 OPTIONAL_FUNCTIONALITY_NOT_SUPPORTED
    }

Problem:

Observation: we send ActivateChanges to a Revision 14 IUT device. The device reacts by sending Reject(undefined enumeration)

Questions:

1. should the test be performed with enumerations "S", that are not yet defined in the BACnet protocol revision of the IUT?

2. If Yes, should the Reject() be considered passed in the context of that test?

3. Should the test be performed with enumerations, that are not yet defined in an existing protocol revision but that may be defined later in a future revision?

Response:
1. **No.**
2. **n/a**
3. **n/a**

BTL Working Group will investigate the testing of undefined service parameter enumerations for all services.