

Clarification Request

References: BTL Test Plan 12.0.final Test Conditionality on 9.24.2.X3

Date of BTL-WG Response: Nov 27, 2012

Background:

Test Plan 12.0 section 8.14.6 Supports DM-RD-B within BIBB Device Management - Device Communication Control - B

135.1-2009i-16 - 9.24.2.X3 - Restore by ReinitializeDevice with Invalid 'Reinitialized State of Device'		
	Test Method	Manual
	Configuration	As per <i>ASHRAE 135.1-2009</i> .
	Test Conditionality	If Protocol_Revision < 7, then this test may be skipped.

Test 9.24.2.X3 for DM-DCC-B in test plan has conditionality "If Protocol_Revision < 7, then this test may be skipped." But the test, or one covering the same testable point, is valuable to ensure proper behaviour of any DM-DCC-B implementation, whether Protocol_Revision < 7 or not.

Furthermore, if the IUT supports DM-RD-B, but does not have DM-BR-B, then the sole error code specified there cannot necessarily be expected to be observed.

Test 9.24.2.X3 deserves accurate conditionality language, and/or changes to permit additional other error code response if the IUT has not implemented DM-BR-B.

9.24.2.X3 Restore by ReinitializeDevice with Invalid 'Reinitialized State of Device'

Purpose: To verify the communications are not restored when a ReinitializeDevice request is received that contains one of the backup or restore related values for service parameter 'Reinitialized State of Device'.

Test Concept: Disable the IUT's communications for a period time, T, longer than it will take to complete the test. Verify that, while communications are disabled, the IUT correctly responds with a Result(-) when it receives a ReinitializeDevice request containing a backup or restore related values.

Test Steps:

1. TRANSMIT DeviceCommunicationControl-Request,
 'Enable/Disable' = DISABLE
 'Password' = (any appropriate password),
 'Time Duration' = (a value T >= 1, in minutes) | (no value)
2. RECEIVE BACnet-Simple-ACK-PDU
3. WAIT **Internal Processing Fail Time**

4. TRANSMIT ReinitializeDevice-Request,
 'Reinitialized State of Device' = STARTBACKUP | ENDBACKUP |
 STARTRESTORE | ENDRESTORE | ABORTRESTORE,
 'Password' = (any appropriate password)
5. IF (Protocol_Revision is present and Protocol_Revision >= 7) THEN
 RECEIVE BACnet-Error-PDU,
 Error Class = SERVICES,
 Error Code = COMMUNICATION_DISABLED
 ELSE
 CHECK(that the IUT responded with BACnet-Error-PDU with an Error Class of
 SERVICES and an Error Code of COMMUNICATION_DISABLE, or the IUT did not respond at all)
6. TRANSMIT DeviceCommunicationControl-Request,
 'Enable/Disable' = ENABLE
 'Password' = (any appropriate password),
7. RECEIVE BACnet-Simple-ACK-PDU

Question:

Should the conditionality instead be "Must be executed if IUT supports DM-RD-B"? And should additional other error code response be accepted if the IUT has not implemented DM-BR-B?

Response:

Yes. Yes, this was done in response to CR-0286.