

Clarification Request

References: 135.1-2009i-16 test 9.24.2.X3

Date of BTL-WG Response: _Nov 14, 2012

Background:

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_DISABLED, or the IUT did not respond at all)	
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6. TRANSMIT DeviceCommunicationControl-Request,

'Enable/Disable'	= ENABLE
'Password'	= (any appropriate password),
7. RECEIVE BACnet-Simple-ACK-PDU

Problem: In step 5 the test expects the IUT to send the error code COMMUNICATION_DISABLED. When IUT (revision 7) does not support the BackupRestore

procedure at all, it will send the error code OPTIONAL_FUNCTIONALITY_NOT_SUPPORTED instead.

Question:

Should the error code OPTIONAL_FUNCTIONALITY_NOT_SUPPORTED be allowed in test 9.24.2.X3 step 5?

Response:

Yes. The test will be modified to accept OPTIONAL_FUNCTIONALITY_NOT_SUPPORTED when Protocol_Revision < 7, and also when Protocol_Revision >= 7, to accept OPTIONAL_FUNCTIONALITY_NOT_SUPPORTED if Backup & Restore is not supported.