

Clarification Request

Request from: Lori Tribble (btl-manager@bacnetinternational.org)

References: BTL Specified Tests 3.1.1

Stage: ☒Request, ☒Listed, ☒Analysis, ☒Resolved

Background / Proposed Solution:

The Backup Restore tests in the BTL Specified Tests document 13.X1.6 and 13.X1.7 require the TD to send a STARTRESTORE message to the IUT and then either wait for the IUT to time out of the operation or the TD sends an ABORTRESTORE to stop the restore operation.

When the STARTRESTORE command is issued to the IUT, it is reasonable to assume that the IUT does some preparation work for the restore process. Some of this preparation work might be to remove the currently running program. Upon an unsuccessful restore, the IUT might not be able to return to its original state prior to the STARTRESTORE. In this case, the IUT might load a default program to run.

These tests do not specify what the final state of the IUT is expected to be other than the system-status property must no longer state 'download-in-progress'.

Question:

Is it reasonable to assume the IUT might be running a different program from when this test was initially started?

Should we recommend that if the IUT behaves in this manner that the system-status property should be changed to 'download-required'?

Response:

According to the last paragraph of section 19.1.3.4 of 135-2004, it is expected that the IUT might not be able to recover its old configuration after an unsuccessful attempt to restore to the device. It is recommended that if the device cannot recover its old configuration or cannot establish a default configuration, the IUT shall set the System_Status to DOWNLOAD_REQUIRED.

The BTL Tests (13.X1.3, 13.X1.6 and 13.X1.7) will be updated to include the following note to tester:

Note to Tester: After an incomplete restore attempt, the IUT may revert to a default configuration or another state that is different from the IUT state when this test was started.