

## HV Test Station Status Report

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1. Checked directions and directories mentioned in “*Hall C Expert How to*” manual for CAEN High Voltage System EPICS controls to understand the architecture and setup of actual system.
  - 1.1. Found that correct location for all directories mentioned in the note are under /home/cvxwrks/EpicsLL.
2. Researched HV CAEN EPICS IOCs running in Hall C.
  - 2.1. Found database and database definition files.
  - 2.2. Checked environmental variable file defined for each HV CAEN EPICS IOC.
3. Developing of EPICS database to control and monitor HV CAEN SY4527 power supply in progress.
  - 3.1. Added two HV CAEN process variables (PVs) (Bool and Analog data types) to EPICS IOC database running in *dsg-b-linux1* PC
  - 3.2. Found issues to write values from HV CAEN PVs to PV created in database file.
    - 3.2.1. Issue: undefined UDF Invalid.
    - 3.2.2. Incorrect database definition file used to create fields for added HV CAEN PVs.
  - 3.3. Downloaded and installed EPICS Sequencer V.2.2 on *dsg-b-linux1* PC; this EPICS package is a powerful tool for programming sequential operations in a real-time control system.