



Controls and Monitoring Update

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Reminder



- 2 purposes for Controls and Monitoring, C&M
- Protect equipment
- Protect data quality
- Task divided into multiple systems:
- Beamline (magnets, DS, BS, Diffuser, PA, target)
- PID (TOF,CKOV,BPM,KL,EMR)
- Environment monitoring (T, RH, radiation,...)
- Tracker (tracker and SS)
- DAQ (DAQ—CDB--C&M interface, crates,...)
- AFC (absorber and magnets)
- •RFCC (RF cavities and magnets)



Status



- Beamline complete (no diffuser yet)
- PID in progress
- Environment monitoring near completion (request input)
- Tracker (tracker and SS) in progress
- DAQ in progress (DAQ-CDB-C&M, interface, network, crates, ...) (request input)
- ·AFC
- RFCC (RF tuners)



Status – continued



Other tasks:

- Alarm handler
 - Mostly working
 - Adding new systems
 - Tuning alarm limits
 - Defining operational states
- Channel archiver
 - Mostly working
 - Adding new systems
 - Tuning periodicity



Status - continued



Other tasks:

- Remote monitoring
 - Working well
 - No requests to date
- Remote archive viewer
 - Awaiting notification from PPD
 - Hope to test next week



Status - continued



DL is developing C&M for major systems:

- Spectrometer solenoid magnets
- AFC modules
- RFCC modules

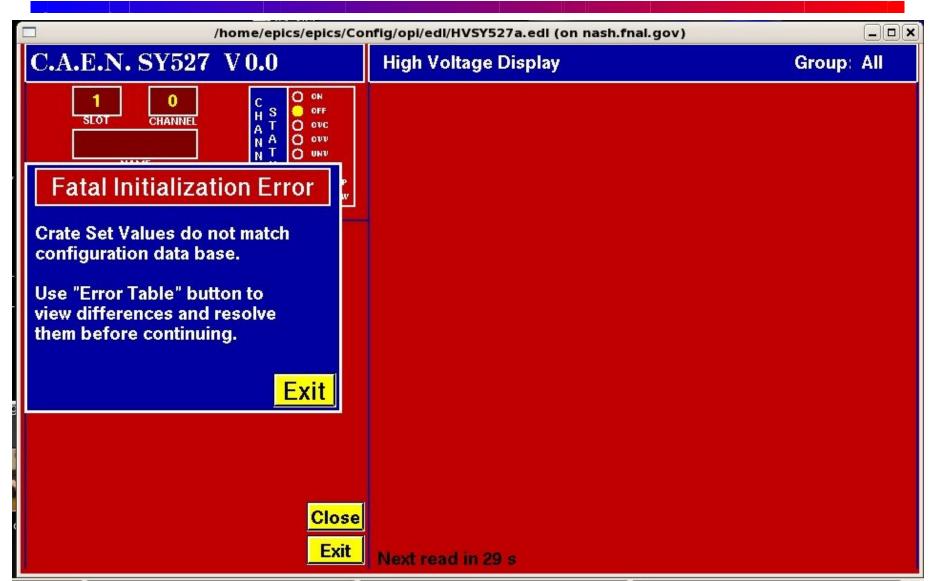
Recent interruptions in network has resulted in shut downs on different systems

Systems will be restarted this week



Newest IOC - HV

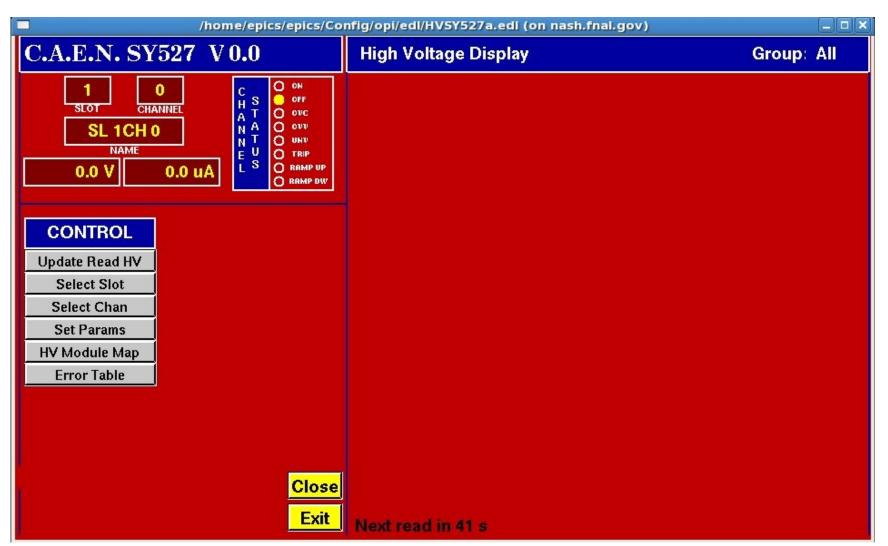






Newest IOC - HV

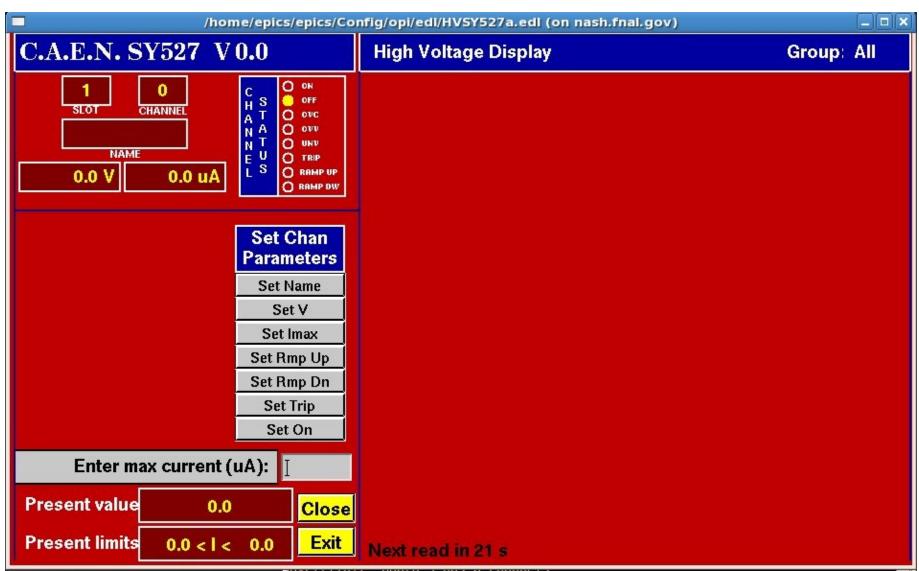






Newest IOC - HV





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Plans



DL is developing C&M for major systems:

- SS to be completed for magnet mapping
- AFC and RFCC model to follow SS

To Do List:

- Install complete TOF/KL HV monitoring
- Update archiver
- Implement state configurations for ALH
- Remote archive viewer
- Remote alarm announcements
- Develop RF tuning control



Bigger Plans



New effort being developed to bring all control systems under single umbrella

Will have to worry about systems which could interfere

 Also need to consider overall system for Steps IV, V, and VI separately (tomorrow's talk)

