

DSG Meeting Minutes – Wednesday, January 21, 2015

Antonioli, Mary Ann:

Hall B

- Retested HV alarms of **SVT** EPICS system.
 - HV alarms caused HV to turn off as expected, however the “alarm” button on the module status page does not remain red, but quickly returns to green.

DSG

- Continued re-configuring **control room**.
- Continued editing Werth’s and my **notes**.

Arslan, Sahin:

Hall B

- Testing **SVT** production modules and HFCBs at Fermilab.
 - Burn-in testing in progress for modules #72 and #73.

Bonneau, Peter:

Hall B

- Advised Sue Weatherspoon to go back one version of the **SVT** EPICS controls program, in which the Alarm Handler was working correctly.
 - After the change, retested the ambient temperature and humidity interlocks; these worked correctly again.

Hall D

- Obtained permission to implement a second Hall D **PLC slow controls** computer, to be located in the DSG EEL mezzanine area and used only by DSG slow controls group for developing and monitoring.
- Reviewed requirements of the **DC gas system** with George.

DSG

- Continued programming firmware and testing FPGA-based Weiner VME Controller.

Butler, Dave:

Hall B

- Met with George, Peter, Amrit, and Werth to discuss details of the **detector gas system** controls for Hall B.
- Received components and assembled National Instruments cRio-based PAC system for the **gas/safety system**.

Eng, Brian:

Hall B

- Continued debugging **SVT's** multi-VXS setup in EEL/121B.
 - Verified proper clocks on SD.
 - Found that the SD cards had different firmwares.
 - Now able to take data with 2-crate setup (using a new initialization program Sergey wrote).
 - Took runs with 4 modules going to a single VXS crate, and runs with 2 modules on each crate.
 - Started preparing for 3 crates, which will be the Hall setup.
- Continued with testing of **SVT** EPICS code.
 - Went over LV testing with Mary Ann.
 - Normal sequence on LV alarm should be ramp down HV, then LV, but only HV turned off.

Jacobs, George:

FMLA

Leffel, Mindy:

Hall B

- Completed fabrication of 12 **SVT** HTSB cables; started working on the associated 12 jumper cables.
- Worked with Tina on calibration of the **LTCC** Winston Cone test setup.
- Repaired 3 **SVT** slow controls cables to be sent to FNAL.

Mann, Tina:

Hall B

- Unpacked and staged **LTCC** Winston cones returned from Evaporated Coating Inc.
- Calibrated and aligned A and B pinholes of **LTCC** test station.
- Retested 6 large **LTCC** Winston cones.

Hall D

- Assisting with the creation of a checklist for **detectors**.

DSG

- Worked on Winston Cone Testing Process **note**.

McMullen, Marc:

Hall B

- Completed quality assurance test on 6 *populated* **SVT** HFCBs, and sent them for module production at FNAL.
 - # of HFCBs sent to FNAL is 16
 - One sent for repair to Compunetix, and one repaired at JLab.
- Completed post-manufacturing quality assurance tests, with Anatoly, on 5 *bare* **SVT** HFCBs, and sent for population.

DSG

- Corrected drawings and diagrams for the Hall B SVT Insertion Cart and Off-cart Racks **note**, using AutoCad and Power Point.

Sitnikov, Anatoly:

Hall B

- Measured resistance of 13 **SVT** HFCBs (bare) without components, using Keithley multimeter 2002 and microscope.
- Measured current of 3 **SVT** HFCBs without components, using Keithley 237 HV source meter and probe station.

Teachey, Robert Werth:

Hall B

- Attended the Hall B **Detector Gas System** design meeting.

Hall D

- Attended the **Target Group** meeting (Chris Carlin – contact) and answered questions about the new National Instruments cRIO PAC that I specified for controlling the cryotarget.

The Target Group is very pleased with its performance of the PAC-based system compared to the PLC-based system.

DSG

- Worked on reconfiguring **control room**.