

## **DSG Meeting Minutes – 4/30/14**

### Antonioli, Mary Ann:

- Re-drew end view and side view of SVT in AutoCAD for Geometry document.
- Began fabrication of distribution box-to-Mpod HV cables, 37-pin CPC end.
- Updated progress report with April expenses.
- Began 12Gev progress report update.

### Bonneau, Peter:

- Wrote EPICS Channel Access Client to monitor data acquired by new V450 hardware driver and record support.
- Programmed LabVIEW-based VME board tester for the V450 ADC.
- Contacted Mike Cole from Electrical Equipment Company regarding an additional PLC development license. Currently only two licenses are available. Need two more (for Werth and Peter).
- Met with Dave and Werth regarding Hall D target controls.
- Submitted CCPR request for a common storage area on the “M” drive for the Detector Support Group.

### Butler, Dave:

- Performing solenoid magnet characterization using ramp profiles and slew rate methods. Ramping to 800 amps at 0.2 amps per second in resistive and inductive modes.
- Setting up the new database for PLC archiving.
- Determining which tags to archive in EPICS or with PLC.
- Adding new alarms to the FDC/CDC gas panel code for under and over pressure alarms.
- Working on new serial communication code for the magnet power supply.
- Preparing for interviews for Instrumentation Engineer for Hall B magnet and cryogenic systems.

### Eng, Brian:

- Wrote a python script to rearrange gain scan data.
- Upgraded OS X on clasxt34 (Hall B mac mini in EEL/121C).
- Compiled a list of SVT crates, for networking purposes.
- Installed J2 & J3 screws on latest batch of populated HFCBs.
- Cut tabs on the HFCBs and performed electrical tests on a sample of the received order.
- Fixed error in register test that only effected code on network controllers (standalone CF based code ok)
- Installing chiller for R1-3 cold plate.
- Ordered an RS232-to-Ethernet adapter to talk to chiller with EPICS.
- Updated pitch adapter drawing to current version.

### Jacobs, George:

- Met several times with designer Joe Guerra and engineer Bob Miller and signed off on the drawings for the LTCC pressure protection bubblers and the LTCC hall valve panel.
- Coordinating with cryotechs Dano Oprisko, Joshua Ingoldsby, and Dontre Tucker, welding quality assurance inspector Jenord Alston, and fire protection engineer Tim Minga on activity on the new DC gas lines running from 96B to Hall B.

- Coordinating with cryotechs Dano Oprisko, Joshua Ingoldsby, and Dontre Tucker on work on the new LTCC gas lines running on the forward carriage in Hall B.
- Received six pallets of the remaining equipment from Idaho State Univ.
- Ordered new solenoid valves for LTCC gas system safety controls, PR 342840P.
- QA-ed R3S6 DC.
- QA-ed R1S5 and R1S6 DCHV and DCRB testing.
- Made the tech availability list for Amrit and Patrizzia.

Leffel, Mindy:

- Replaced and wire bonded chip U3, on HFCB SN 2-P4.
- Repaired a 4.5', 25 pin, VME-to-patch panel, D-sub cable. (Wires were transposed on one side.)
- Prep for moving tables: cleaned off 6' table and removed keyboard holder; moved (w/ Werth) 4' table from gowning room to free stock; and raised 8' table in the clean room.
- Ordered crimp tool and additional pins and connectors for slow controls disconnect.
- Arranged moving of tables with Debbie Campbell, Thursday, between 8:00 and 8:30.

Mann, Tina:

- Fabricated three 24-inch cables.
- Three 30-inch cables' pins crimped.

McMullen, Marc:

- QA-ed nine populated HFCBs. Shipped eight to module production. Kept one for connector adjustment.
- Conducted training on QA/QC of HFCB/Bus Cable panel.
- Approved HFCB V2.2 for production.
- Ordered equipment for automated assembly of HFCB.
- Completed dimensioning of Bus Cable V3.

Sitnikov, Anatoly

- Checking Pair Spectrometer.
- Configured setup for measuring pulses, with Sr 90, for arm A of the pair spectrometer.
- Performed trail measurements.
- Measured 53/290 channels of the pair spectrometer. (Result: four channels not working.)

Teachey, Werth:

- Developing communications with the Lakeshore 218 Temperature Monitor via RS-232 for Hall D Target Controls.
- Working on communication with the Lakeshore 218 Temperature Monitor via the Allen-Bradley PLC controller and the ASCII to PLC Gateway.
- Used hyper terminal to confirm that the serial cable and Lakeshore RS-232 port could communicate correctly with the PC.
- Successfully configured the Fermi Production Test Stand software with the Fermi Production Test Stand hardware for SVT module production.