

DSG-SoLID R&D Meeting Minutes

Date: March 25, 2021

Time: 11:00 – 13:00

Attendees: Mary Ann Antonioli, Aaron Brown, Peter Bonneau, Pablo Campero, Brian Eng, George Jacobs, Marc McMullen, Tyler Lemon and Amrit Yegneswaran

1. Reviewed Hall A SoLID Magnet Control Systems meeting minutes from March 24, 2021

DSG

1. Clarified information required to continue with drawing
2. Modified instrumentation rack #1 rear view drawing
3. Discussed corrections for indicators shown on HMI screens
4. Will continue development of cable diagram drawings

2. Reviewed CLEO II Current Lead Design, Control systems presentation

DSG

1. Discussed and analyzed figure showing current leads design
 - Concluded that a top view of the figure would better show locations of the six current lead rods
2. Clarified details of instrumentation used to control GHe flow in the leads when the magnet was used for the CLEO II project
3. Discussed old flow meter functionality during normal operations and during low flow conditions

3. Constant Current Source board status

Marc McMullen, Mindy Leffel, Pablo Campero, Amrit Yegneswaran, Brian Eng

1. Completed testing of the required eight boards; no issues found
2. Reviewed Multisim simulation of the board circuit
 - A DSG note will be written detailing the circuit simulation

4. Documentation

Pablo Campero and Mary Ann Antonioli

1. No progress on PLC programming manual
2. Writing DSG note on *Valve Setup* and *Proportional Position* HMI and CSS screens

5. Upcoming tasks

Pablo Campero and Mary Ann Antonioli

1. Continue instrumentation rack electrical wiring drawings
2. Begin flowcharts for PLC programming manual