

DSG-SoLID R&D Meeting Minutes

Date: September 17, 2020

Time: 11:00 – 12:00

Attendees: Mary Ann Antonioli, Aaron Brown, Brian Eng, Pablo Campero, Tyler Lemon, and Amrit Yegneswaran

1. PLC programming

- 1.1. Added code for four radial support sensors to radial supports interlock routine

2. HMI and CCS screens

- 2.1. Completed HMI screen that controls and monitors positions of seven JT valves, the *JT Valve Page*
- 2.2. Pablo Campero updated spreadsheet with the PLC tags and proposed EPICS PVs; CSS screen development can now start

3. Hardware

- 3.1. Assembly of constant current source boards and motor controller relay boards will be performed by Mindy Leffel
 - 3.1.1. Assembly scheduled to be completed one month before the instrumentation rack assembly starts
- 3.2. Completed motor controller relay board design; board cost is \$272 and parts cost ~\$600
 - 3.2.1. Marc McMullen requested code for the purchase; Steven Lassiter said to wait on approval
 - 3.2.2. Funds could be available by next fiscal year 2021

4. Documentation

- 4.1. Pablo Campero completed modifications of PLC rack layout drawing
- 4.2. Instrumentation rack layout modifications in progress
- 4.3. Mary Ann is modifying existing drawings with new assigned drawing numbers
 - 4.3.1. Pablo Campero is reviewing issues with drawings: A00000-16-03-0220 and A00000-16-03-0211

5. Reviewed DSG schedule for SoLID magnet controls tasks