

DSG-SoLID R&D Meeting Minutes

Date: September 24, 2020

Time: 11:00 – 12:00

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

1. PLC programming

- 1.1. Addition of radial support interlock routine in progress
- 1.2. Pablo will research typical operational range values and interlock threshold values for forces acting in the radial supports when magnet is powered to its nominal current of 3300 A

2. HMI and CCS screens

- 2.1. Mary Ann completed CSS-BOY screen that controls and monitors positions of seven JT valves, the *JT Valve Page*
 - 2.1.1. Tyler Lemon will revise test program so that macros in the JT Valve Page CSS-BOY screen can be tested
 - 2.1.2. Final test of all screens will be done during implementation of the control systems
- 2.2. Amrit suggested that Pablo and Mary Ann generate a table that will contain the number, name, comments, PLC routine, and status of the HMI and CSS screens

3. Hardware

- 3.1. No updates; still waiting on approval to order the Motor Controller Relay board

4. Documentation

- 4.1. Pablo completed modifications to instrumentation rack layout drawing
- 4.2. Mary Ann completed revising existing drawings with new assigned drawing numbers; currently being reviewed by Pablo

5. DSG schedule for SoLID magnet controls tasks completed; no issues found