

SoLID Magnet Controls System Meeting Minutes

Date: October 12, 2022

Time: 11:00 – 12:00

Attendees: Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, Steven Lassiter, Tyler Lemon, and Marc McMullen

1. HMI screens development

Pablo Campero

1. Reviewed *Solenoid Current Lead Valve Page* screen
 - Need to change units for valve set point from % to L/min
2. Reviewed *Solenoid Current Lead Valve Trend* screen
3. Reviewed modifications requested for *Solenoid Valve Solenoid Cooldown* screen
 - Added numeric input for set point of heat exchanger liquid nitrogen valve
 - The cooldown button does not toggle; needs to be checked
 - Need to verify that tag T_He_min is correct on sheet 28, for the input of GEQ_87 function block
4. Added indicators for current leads mass flow controllers to the *Solenoid CCR Expert* screen and navigation features to access them from that screen
 - Access from *Menu* screen is not needed
 - Need to configure indicators so that yellow indicates mass flow controller is in manual mode and purple automatic mode

2. Power supply communication test

Pablo Campero and Brian Eng

1. Started testing communications between laptop and power supply
 - During initial setup of the power supply, the communication card was not recognized by the power supply main frame
 - Swapped communication card between power supply 1 and power supply 2 (not used)
2. Contacted Jack Segal for support; waiting on response

3. Electrical Drawings

Mary Ann Antonioli and Pablo Campero

1. Working on modifications to the last set of drawings
2. All modified drawing will be posted after revisions

4. Voltage taps cable

DSG

1. Checked connection points of the current leads voltage taps
2. Defined cable length and connectors (from voltage tap to resistor box input)
 - The resistor box will be located close to the turret
 - Cable length will be 5 ft
 - On-hand 18-conductor, 20 AWG cable will be used
 - On-hand, 16-pin, CPC connector will be used
3. Brian Eng placed order for 5 connectors