

DSG-SoLID R&D Meeting Minutes

Date: October 14, 2022

Time: 11:00 – 12:00

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

1. HMI screens development

Pablo Campero

1. Changed units for valve set point from % to L/min on *Solenoid Current Lead Valve Page* screen
2. Reviewed modifications requested for *Solenoid Valve Solenoid Cooldown* screen
 - Verified that the *cooldown* button is not a toggle button, but a latch, same as the *cooldown* button on the *SHMS Cooldown* screen
3. Configured mass flow controller indicator colors on the Solenoid CCR Expert screen
 - Yellow indicates that mass flow controller is in manual mode
 - Purple indicates automatic mode
 - Blinking red indicates readout fault

2. Power supply communication test

Pablo Campero and Brian Eng

1. Jack Segal informed that power supply was operated only in local mode
2. Will research connector for analog output

3. Electrical drawings

Mary Ann Antonioli and Pablo Campero

1. Completed modifications of last set of drawings
2. Review of modifications in progress

4. Voltage taps cable from voltage tap to resistor box

DSG

1. 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
 - Informed Ellen Becker about the use of available connectors
 - Working on cable pinout
2. Brian Eng placed order for five connectors
 - Agreed to use three of the five new connectors for voltage tap cable
 - Checked that cable gauge to be used is compatible with the ordered connectors

5. Turret wiring

Brian Eng and Mindy Leffel

1. Vacuum jacket was reinstalled on turret, which will be kept in the Test Lab to allow work in parallel
2. Re-wiring of turret connector flanges will start next week