

SoLID Magnet Controls System Meeting Minutes

Date: June 23, 2022

Time: 11:00 – 12:00

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

1. Radial supports load sensors readout

DSG

1. Checked pinout and wiring connection on connectors located at the magnet
2. Made a table to show the pinout mapping from old to new cable
 - Noticed that pin assignment at sensor connector (Tuchel 5-pin) and Dataforth pinout shown in *CLEO Controls* spreadsheet were incorrect
3. Wiring on Dataforth modules will be modified
4. Drawings will be updated to reflect changes in rack wiring
5. Requested HMI screen modification
 - Will check sensor status indicators, some of them are not showing the current status for the load sensor. Associated PLC tags with indicators on HMI screen will be checked
 - Will change the units shown for the forces from lbf to Kg
6. Will add FactoryTalk data logger system

2. Screens development

Mary Ann Antonioli and Pablo Campero

1. Modifications to *Radial and Axial Support Expert* screen
 - Will add lower and upper limits for each sensor
 - Will change text for indicators
2. *Solenoid Interlocks* HMI screen in progress
 - Added detailed indicators for the vacuum faults are needed
 - Removed color attribute for the screen background

3. EPICS process variables (PV)

Pablo Campero

1. Sent email to cryo engineer to request the status of the PVs needed from the EPICS side
 - Waiting on response

4. Turret connectors work

DSG

1. Met with Mark Jones and Whit Seay on June 23, 2022
 - Hall techs will move the turret to the lower position on the stand and move it to EEL/125
 - DSG will then do the work to disconnect the wires from the small flanges (test, label, etc)
 - Whit will try and verify the large flange size
 - Brian Eng will get the lead time for vacuum feedthrough connectors