Hall A - SoLID Magnet Control Systems – Meeting Minutes

Date: March 11, 2020
Time: 10:00 – 11:00

Attendees: Pablo Campero and Steven Lassiter

1. *Constant Current Source* (CCS) boards
    - 1.1. PCB boards received
    - 1.2. Next step is the assembly and testing of the boards

2. PLC programming status
    - 2.1. Implemented standard TvsR curves for PT100s and diodes temperature sensors located in the Heat Exchanger and CCR
        - 2.1.1. New changes in the code will be uploaded to the PLC controller
    - 2.2. DSG is unable to launch RSLinx Classic on PHYCAD58 computer
        - 2.2.1. Reason: PHYCAD58 is running RSLinx Classic in Server Mode
        - 2.2.2. Addition of PLC I/O modules installation, if needed, will be handled by Steven Lassiter.
    - 2.3. Steven Lassiter added Remote # 2 PLC chassis with the PLC I/O modules required

3. HMI programming status
    - 3.1. Implemented requested modifications for the first version of *Axial and Radial Supports Expert* HMI screen
        - 3.1.1. Added color indicators to enable/disable buttons
        - 3.1.2. Combined "Ramp up/down limits" to be "Controlled ramp down thresholds"
        - 3.1.3. Added trend for individual signals
    - 3.2. Developing *CCR Instrumentation* HMI screen
        - 3.2.1. Screen can be based on *HMS Dipole CCR*

4. Instrumentation status
    - 4.1. Rack moved from TED room 1544 to Test Lab; now located at the left side of the magnet
        - 4.1.1. In preparation for population of the rack, there are some actions to be done:
            - 4.1.1.1. Pablo Campero will generate a parts list with all required material and components to be installed in the rack
            - 4.1.1.2. Check in hand components
            - 4.1.1.3. Order new components based on the generated parts list
    - 4.2. Confirmed that CCS bards will be used to supply current to the two and three wire temperature sensors

5. Electrical drawings status
    - 5.1. Agreed that any missed cable number, terminal strip number, and wiring color can be assigned by DSG
    - 5.2. Completed electrical drawings will be reviewed and approved by Steven Lassiter

6. Discussed RSLogix 5000 licenses issues
    - 6.1. PHYCAD58 computer appears to be using three of the four licenses (available in "cadlm2" server) even when RSLogix 5000 software is not open/running on it
    - 6.2. Problem needs to be solved to allow DSG to access to the licenses and work proactively