Hall A SoLID Magnet Control Systems Meeting Minutes

Date: November 18, 2020
Time: 10:30 – 11:00

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

1. PLC programming status (Pablo Campero)
    1.1. Debugged communication errors presented in Flex IO module
        1.1.1. Error code 16#0203/0204 – Connection timeout
        1.1.2. Rescheduling ControlNet connections did not solve issue
        1.1.3. Steven Lassiter will confirm module LED indicator colors and blinking mode for status indicator Comm A status indicator
        1.1.4. Module series needs to be confirmed prior to any firmware upgrade in the modules
    1.2. Made modifications in CLEO routine
        1.2.1. Sheets 4 and 5 – LN_2 and He temperature Max, Min and Ave (in progress)
        1.2.2. Sheets 10 and 11 – Radial and Axial Min and Max readings (Completed)
        1.2.3. Sheet 27 – LN_2 Shield Cooldown (Completed)

2. HMI and CSS programming status (Pablo Campero)
    2.1. Reviewed completed and tested HMI screens
        2.1.1. *Solenoid Liquid Levels- Expert*
        2.1.2. *Solenoid CCR Valve Setup*
        2.1.3. *Solenoid POSP*
        2.1.4. *Solenoid JTV-HX Page*
        2.1.5. *Solenoid EBV Page*
    2.2. Discussed and agreed to leave on the CCR HMI screen the option to pop up valve control HMI screens, so that regular users can manipulate valves in the CCR
    2.3. On the *Solenoid Axial and Radial Support Expert screen,* buttons are being replaced by indicators due to PLC code changes
    2.4. Mary Ann Antonioli completed *Solenoid Liquid Levels- Expert* CSS-BOY screen; testing in progress

3. Motor Controller Relay (MCR) and Constant Current Source boards
    3.1. Marc McMullen noted that status for board assembly is unchanged
    3.2. Steven Lassiter requested the DSG time frame for assembly of both boards

4. Documentation – Electrical drawings
    4.1. PLC and Instrumentation Racks drawings were reviewed by Steven Lassiter; no corrections needed
    4.2. Pablo Campero will post completed electrical drawings after revision
        4.2.1. Drawing A00000-16-03-0220: Liquid level wiring diagram
        4.2.2. Drawing A00000-16-03-0221: Vacuum, Mass Flows, and Pressure wiring diagram