DSG-SoLID R&D Meeting Minutes

Date: October 1, 2020
Time: 11:00 – 12:00

Attendees: *Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, George Jacobs, Tyler Lemon, Marc McMullen and Amrit Yegneswaran*

1. PLC programming
    1.1. Fourth and last routine to control and monitor the radial supports interlocks in progress
    1.2. Researching of the typical operational range values for forces acting in the radial supports when magnet is powered to its nominal current of 3300 A
        1.2.1. Whit Seay is looking at the Cleo II magnet logbooks to find the typical operation range values

2. HMI and CCS screens
    2.1. Pablo Campero completed two HMI screens to control and monitor the position of JT valves in the heat exchanger and the electric ball valve (warm return valve) in the CCR
    2.2. Mary Ann is developing *Solenoid JTV Page HX* CSS BOY screen.
    2.3. Tyler Lemon completed first version of the program to test macros of the CSS-BOY screen: *JT Valve Page*
    2.4. Reviewed Pablo Campero's list of HMI & CSS Screens
        2.4.1. List contains the number, name, comments, PLC routine, and statuses of the HMI and CSS screens
        2.4.2. Posted SoLID Solenoid HMI & CSS Screens to the DSG-Hall A Technical Documentation area

3. Hardware
    3.1. Marc McMullen sent PR on October 1st, 2020 for the Motor Controller Relay Board
        3.1.1. A credit card will be use for the procurement of the board

4. Documentation
    4.1. Presented and reviewed Hall A SoLID Solenoid Rack Layouts talk
        4.1.1. Pablo Campero will make changes in the talk, major modification include:
            4.1.1.1. Removal of some unused bullets/text
            4.1.1.2. Addition of description to the labels show in the drawings
            4.1.1.3. AutoCAD drawing changes for the instrumentation upper panel rack, which will be change from a 22 U to a 44 U
    4.2. Revision of the drawing numbers changes for the existing drawings is in progress
    4.3. Drawing for the Constant Current Source wiring diagrams are in progress