

DSG-SoLID R&D Meeting Minutes

Date: June 10, 2021

Time: 11:00 – 12:30

Attendees: Mary Ann Antonioli, Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Marc McMullen, Tyler Lemon, and Amrit Yegneswaran

1. Reviewed DSG-SoLID Magnet Control System meeting minutes from June 9, 2021

DSG

1. Three drawings completed
2. Developed list of cable options and connectors for LVTD and motor driver connections
3. Cables for the temperature sensors located in the magnet and CCR will be researched

2. Started revision of cable colors

Pablo Campero

1. Using documentation provided by vendors, matching cable colors on drawings A00000-16-03-0402, A00000-16-03-0260, and A00000-16-03-0262 to selected cables

3. Cables for SoLID magnet instrumentation

Pablo Campero, Brian Eng, and Marc McMullen

1. Will research cables based on specifications, cable length, and amount of cable required for temperature sensors wiring in the rack
2. Will review related electrical wiring drawings
3. Cable List table needs to be updated

4. Reviewed Hall A SoLID Solenoid PLC Controls for CCR LN₂ Valves talk

DSG

1. Presentation shows control diagrams, flow charts, and true-false table used to explain the different control modes for the valves
2. Added explanation to describe HMI screens used to control and monitor valves

5. PLC Controls Manual

Mary Ann Antonioli and Pablo Campero

1. Need to review descriptions and flow charts to edit and agree on format