

DSG SICOM Meeting Minutes

Date: March 14, 2024

Time: 2:00 PM – 3:00 PM

Attendees: Mary Ann Antonioli, Peter Bonneau, Pablo Campero, George Jacobs, Brian Eng, Tyler Lemon, and Marc McMullen

1. Hall C NPS interlock program

Aaron Brown and Mary Ann Antonioli

1. Working on version 3 of the NPS interlock program
 - Completed subVI to set up Keysight channels, read values, and convert voltages to relative humidity
 - Discussed error messaging displayed when Keysight instrument gets disconnected or any operational error is present

2. Hall A LAPPD- NX 12 CAD software

Pablo Campero and Marc McMullen

1. Made changes to the Gantry support model
 - 24-inch T-slots in NX 12 3D model were changed to match the ordered T-slot length of 27.5 inches
 - Planned to use 24 inches, but unavailable
 - Longer T-slots still within clearance
 - Two additional 27.5-inch T-slots added for stability; final height dimension will be based on the clearance with the other elements, such as cable loops inside the dark box
2. Completed third version of the LED box design
 - Modified the hole size based on the thread insert specifications
 - Modified base and cover to allow easy disassembly of the LED box while in the upside-down position
 - Changed the LED support dimensions to accommodate use of the LED holder selected
3. Printed LED support and cover parts
 - Revision of quality and dimensions of both parts in progress
 - 3D printer ran out of filament after printing the two parts
 - Ordered spool of filament and will arrive by next week

3. Hall A ECAL temperature and heater controls LabVIEW program

Marc McMullen and Brian Eng

1. Process variable used to monitor the heartbeat of the cRIO in EPICS is not updating
 - Will investigate