

DSG-NPS R&D Meeting Minutes

Date: November 15, 2022

Time: 02:00PM – 03:00PM

Attendees: Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, George Jacobs, Mindy Leffel, Tyler Lemon, and Marc McMullen

1. Thermal readback

Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, and Brian Eng

1. Debugging out-of-limit indicators for EPICS Phoebus screen; no problems in LabVIEW program
 - Indicators work as expected if sensor is above the high limit, but do not work as expected if a sensor is below the low limit
2. Debugging chiller controls LabVIEW program
 - After moving program to cRIO, readback controls don't behave as expected
 - Problem could be due to faulty serial cable or to timing issues between sending command to and receiving response from the chiller; Aaron is investigating

2. Low voltage controls & monitoring

Mary Ann Antonioli and Tyler Lemon

1. Tyler will contact Brad Sawatzky to coordinate testing of softIOC for low voltage EPICS PVs

3. Miscellaneous/EPICS

1. Pablo has received a new Linux machine that will be used to develop softIOC and provide EPICS alarm limits for NPS thermal readback PVs (temperature, humidity, dew point)
2. Aaron will contact Brad Sawatzky regarding which version of EPICS is in use by NPS and (or) Hall C; DSG is using version 3.14, but can upgrade to a later version if necessary