

DSG-NPS R&D Meeting Minutes

Date: June 01, 2021

Time: 11:00AM – 12:15 PM

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

1. HV supply cable fabrication/testing

Peter Bonneau, Aaron Brown, Brian Eng, George Jacobs, Mindy Leffel, and Marc McMullen

1. Long-term cable testing with load in progress; plots uploaded to [DSG NPS Technical Documentation](#) webpage
2. HV supply cables 1–6 need to be retested using module #326
 - Cable jumpers installed to enable no-load testing will be removed to facilitate load testing

2. Hardware interlock system development

Mary Ann Antonioli, Peter Bonneau, and Aaron Brown

1. Discussed procurement of sensors, instrumentation, and cabling
2. Discussed 50-pin D-sub connectors (male and female) for extension cables for Keysight terminal blocks
 - Solder cup connectors will be ordered since there is no preference between crimped or soldered connections
3. Discussed search for female connectors for Ohmic Instruments SC-600 humidity sensor
 - Brian Eng suggested contacting Ohmic Instruments for the part number of the male connector that ships with the sensor to aid in finding a suitable female connector
4. Reviewed test LabVIEW program designed to debug issue of average values in LabVIEW not matching those calculated using Excel
 - Unable to recreate averaging problem with test program
 - Problem was caused by early termination of the program