

## DSG-NPS Status Meeting Minutes

**Date:** May 05, 2021

**Time:** 09:30AM – 10:00PM

*Attendees: Peter Bonneau, Aaron Brown, George Jacobs, Tyler Lemon, Brad Sawatzky, Stephen Wood*

### 1. HV supply cable fabrication/testing

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

1. Mindy Leffel has fabricated 17 of 40 HV supply cables
2. Reviewed early results of cable testing; 5 of 40 completed
  - Results are posted to [DSG's NPS Technical Documentation](#) webpage
3. Discussed potential firmware revision from CAEN Technical Support for A7030TN modules, which would enable module calibration by users

### 2. Hardware interlock system development

*Mary Ann Antonioli, Peter Bonneau, and Aaron Brown*

1. Reviewed procurement list for sensors and instrumentation
  - Peter Bonneau and Aaron Brown will procure all needed items for system development
2. Reviewed LabVIEW front panel for crystal zone's Keysight scanning program
3. Discussed EPICS user interface
  - EPICS user interface will consist of CSS-BOY screens that are compatible with Hall C's Linux infrastructure
  - A three-dimensional model of detector with clickable zones that display voltages, currents, and various controls will be developed
  - CAEN HV supply crate's CSS-BOY control and monitoring screens will also be integrated into Hall C's Linux infrastructure