

## DSG-NPS Status Meeting Minutes

**Date:** March 25, 2021

**Time:** 03:00PM – 03:30 PM

*Attendees: Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Tyler Lemon, Marc McMullen, and Stephen Wood*

### 1. DSG NPS Status presentation

*Aaron Brown*

1. [Presentation](#) posted on DSG Talks webpage

### 2. HV Supply cable fabrication/testing

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

1. Mindy Leffel has fabricated five of 40 HV Supply cables
2. PCB for chassis to test cable is being manufactured; expected delivery week of 03/29/2021
3. Cable testing will be conducted at 2400 V (planned operating voltage is 1100 V)

### 3. Hardware Interlock System development

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

1. Discussed block diagram for Hardware Interlock System
2. Reviewed control and monitoring methods for Keysight sensor scanning system (LabVIEW and web application)
3. Mary Ann Antonioli will develop the LabVIEW front panel for the prototype sensor scanning program
  - Front panel will include statistics (max/min values, std. deviation, rolling average) as well as strip chart

### 4. V and I density plots

*Aaron Brown, Brian Eng, and George Jacobs*

1. George Jacobs is generating V and I density plots using stability data for CAEN A7030TN HV modules

### 5. CSS-BOY screen development

*Aaron Brown, Brian Eng, Tyler Lemon*

1. Reviewed screen to power on and off CAEN module channels individually, all module channels simultaneously, and all channels in both crates.