

DSG-NPS R&D Meeting Minutes

Date: December 22, 2020

Time: 11:00AM – 12:00 PM

Attendees: Mary Ann Antonioli, Aaron Brown, Mindy Leffel, Marc McMullen, and Amrit Yegneswaran

1. CSS screen development status

- 1.1. Mary Ann Antonioli completed 756 of 1080 PMT Settings blocks on the main NPS screen
- 1.2. Aaron Brown began developing a script to programmatically assign values to macros and PVs to widgets

2. CAEN testing and data analysis

- 2.1. Marc McMullen submitted a PR for a chassis to fabricate the new SHV load box; assigned buyer is Brittany Tolbert and the lead time for the chassis is 2-3 weeks
- 2.2. Python analysis package for ramp test data analysis has been developed
 - 2.2.1. Mary Ann Antonioli will generate plots for individual channels of all 33 modules
- 2.3. All test analysis plots will be posted to the NPS section of the DSG technical documentation website by Mary Ann Antonioli
- 2.4. Mary Ann Antonioli will summarize testing analysis of the current trip and voltage ramp tests in tables to be included on the website

3. Cable fabrication

- 3.1. Mindy Leffel completed fabrication and labeling of all 1100 HV divider cables
- 3.2. Mindy Leffel received all Radiall 52-pin connectors needed to fabricate the 140' multi-conductor cables
 - 3.2.1. Aaron Brown will generate a color coded pinout image for the Radiall 52-pin connector
- 3.3. Aaron Brown submitted PR for the pins for the SAMTEC connectors; signed by Stephen Wood, assigned buyer is Brittany Tolbert