

## DSG-NPS R&D Meeting

**Date:** September 1, 2020

**Time:** 11:30 – 12:15

*Attendees: Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, George Jacobs, Tyler Lemon, Marc McMullen, Amrit Yegneswaran*

### 1. CSS screen development status

- 1.1. An EPICS screen list has been uploaded to SharePoint. Will be updated as we come up with additional screens, or more specific screens
- 1.2. Mary Ann Antonioli, along with Aaron Brown, will be working on CSS screens for NPS

### 2. CAEN testing and data analysis

- 2.1. All stability testing with GECO 2020 has been completed
- 2.2. Computer issues affecting stability testing with EPICS progress
  - 2.2.1. George Jacobs will troubleshoot to try and diagnose/solve issues
- 2.3. George will be completing all testing data analysis using Excel; Mary Ann will be working exclusively on CSS screen development
- 2.4. Trip test is being developed
  - 2.4.1. Need to determine number of trials and how long test will take for each module
  - 2.4.2. Test can be done remotely, but connector has to be moved in person

### 3. Hardware interlock system development

- 3.1. Peter Bonneau has provided a task list for development of the hardware interlock system
  - 3.1.1. Based on system development for SVT; development will take approx. 7–8 months
- 3.2. A parts list including cost for materials will be developed, which will detail needed cRIO chassis and modules

### 4. Cable fabrication, procurement

- 4.1. HV divider cables fabricated: 720 of 1100
- 4.2. CAEN order expected to be delivered on 11/18/2020
  - 4.2.1. Order includes forty 52-pin Radiall connectors, one crimper tool, and one insertion/extraction tool
- 4.3. A buyer has been assigned for the GWP cable order