**DSG NPS Work Status Meeting**

**Date:** July 30, 2020

**Time:** 10:00AM – 10:30AM

*Attendees:*

1. CAEN System Testing Status (Aaron Brown, George Jacobs)
   1. Module Testing Update
      1. 32 of 34 modules tested using GECO 2020
      2. 9 of 34 modules tested using EPICS
      3. Module XxXx has a “dead” channel
      4. A few modules below setpoint/out of specs
   2. Resolved Issues via firmware revisions – latency, random parameter changes
   3. Unresolved Issues – Pins
   4. Planned Tests – Trip tests, measurement of resistor values
   5. Planned Analysis
      1. Calculate and plot the average voltage across all modules as well as the standard deviation of the mean
      2. Calculate and plot the average current for each channel on all boards
2. Cable Fabrication
   1. 500 cables fabricated
      1. Tested for continuity
3. EPICS Monitoring Screens Development (Peter Bonneau, Aaron Brown)
   1. Overview and Voltage/Current Readback screens
   2. Environmental Monitoring screens
      1. Researching appropriate sensors for high radiation areas
      2. NPS Environmental Monitoring System Signal List
4. Planned Work
   1. 34 104’ multi-conductor HV cables
      1. Discuss SAMTEC connector concerns (voltage limitations)
5. Miscellaneous
   1. DSG NPS Technical Documentation section