

## DSG-HALL B ALERT Meeting

**Date: July 26, 2024**

**Time: 10:00 to 11:00**

*Attendees: Aaron Brown, Brian Eng, Denny Insley, Marc McMullen, Bob Miller*

### 1. Safety

1. Denny will review the ALERT ePAS for EEL 124 (cleanroom)
  - DSG will review
2. Bob will provide drawings, gas types, scope of work, etc.
3. Marc and Brian will review the controls equipment

### 2. BoNUS target straw testing and controls parameters

1. Target straw purge circuit is installed on the ALERT gas panel
2. Marc will add purge subroutine to ALERT gas controls
  - Purge target straw for 5 cycles, every 30 minutes
  - 0.003 orifice, total purge time 5 minutes
  - 0.002 orifice, total purge time 11 minutes
3. Interlocks
  - If pressure decreases between purges, system will close the solenoid valves and stop the test
4. Brian will request new process variables for PT110 to be added to the EEL development subnet

### 3. ALERT DC gas system and controls

1. Bob will install components on gas panel for pressure controls presented in a DSG talk on the ALERT controls
  - 120-V vacuum pump will be used for the exhaust
  - Two supply MFCs and one return MFC will be used in the pressure controls system
  - New bubblers will be installed to provide enough system pressure
  - Test in clean room
2. Marc will upgrade the controls software

### 4. Timeline

1. BoNUS target straw test will start soon
  - DSG ordered connectors for the pressure sensors and coils for the solenoids
2. DC gas system to be tested by mid-September, when ALERT group arrives
3. The detector will be transported to the Hall at the end of September