

## DSG-Ecal Meeting Minutes

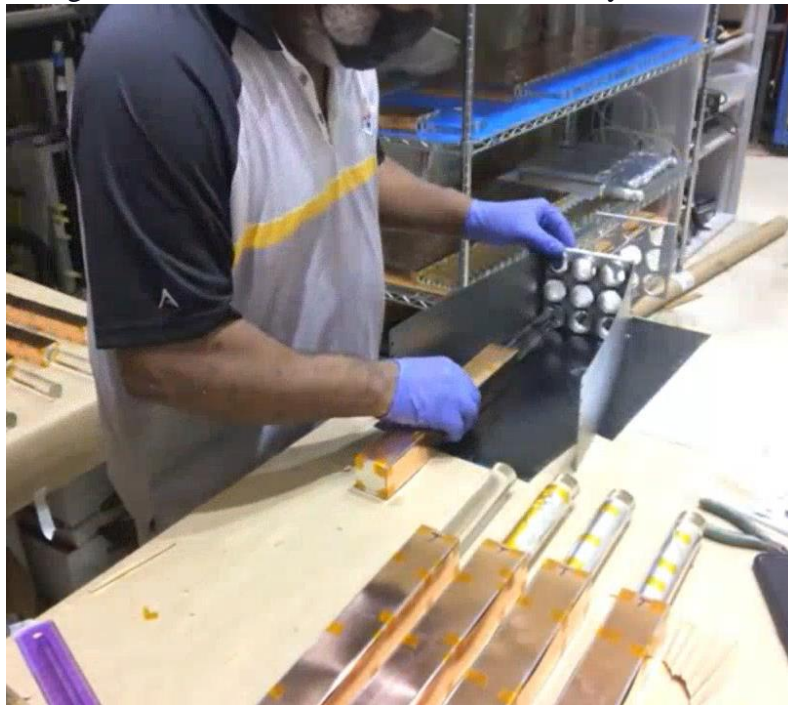
**Date:** November 2, 2021

**Time:** 2:00 – 4:00

*Attendees:* Aaron Brown, Brian Eng, George Jacobs, Tyler Lemon, Marc McMullen, Albert Shahiny, Binh Ton, Bogdan Wojtsekhowski

### 1. Supermodule assembly demonstration

1. DSG assembled a supermodule using the current procedure  
[BigBite Super Module assembly 5-13-2019.pdf](#)
2. Hall A Ecal group recommended amendments to two of the assembly steps
  1. During the application of the foil wrapping over the light guide, the procedure calls for one long tape strip over the seam with two short tape strips on the ends of the long strip, perpendicular to the long strip
    - Hall A recommended three short strips perpendicular to the seam only
  2. During the initial lead glass block assembly, the procedure instructs stacking of the lead glass assembly in a three by three array, then sliding the frame from the light-guide end over the light guides in place
    - Hall A recommends placing the frame on a flat surface, then inserting the lead glass blocks one at a time to build the array



3. Post assembly, Hall A Ecal group states a check of the distance between the lead glass of the top row and the spring plate should be done at the flange 1 end
  1. This distance should not exceed 2 mm
  2. DSG will design a 2-mm “go-no go” tool (3-D print) to check this gap
  3. Set screws on the face of flange 1 can be adjusted to reduce the gap
4. Post assembly, Hall A states that the spacing at the light guide end of the array should be checked to see that the spacing is not grossly different, which would indicate an issue with the construction of the lead-glass assembly
5. DSG will procure an adjustable torque wrench in inch-ounces to perform the step of tightening the set-screws to 48 inch-ounces