

## Work Package

Our team has completed a compactor and almost completed the tachometer input circuitry. Our goal for next semester is to set up our workload and finish the rest of the circuit which consist of the bus input, and open collector output. We should also began testing the circuit with DO-160G sections 8 6 and 22 regulations and finish the housing for our circuit to follow FAA regulations.

So far, we have collected a lot of fan regarding our fan tachometer output and we believe it is sufficient enough data that if needed can be processed.

Constrain on the project are DO-160G sections 8 6 and 22, basic parts and no programable chips. There is also an operating temperature range: -55 to 85 degrees C.

My work for next semester will be mainly focused on the input circuit (voltage regulator, possible Snubber or MOV circuit, and power rails) and the testing for DO regulations (vibration, humidity, and indirect effect of lightning). All DO-160G testing is done at Textron and we need to hand them the circuit for testing.