Date: 9/29/19

Start Time: 12:00 pm

End Time: 2:00 pm

Present: Nikolai, Tyrel, Zane

Location: Discord

Agenda: Tyrel wants to know if we have anything to propose for buying.

The draft product requirement spec, budget and schedule are due Tuesday but nowhere on blackboard to submit it.

Discussion on batteries and power usage again.

3D printing a case for the GSU

Outcomes: Nikolai has suggested the Sparkfun Arduino Pro Mini 328 - $9.95, and Adafruit LoRa RFM95M for $17.96 (10+). Should buy 20 or each so that we have 5 in garage and 5 each for testing. Total cost would be about $500 – 20% of budget. Also need to get antennas and uFL to SMT connectors for it.

Zane has created a 3D model of the unit.

We will need to use LiPo battery packs but finding an appropriate one >10000 mAh that doesn’t look like a cheap one is difficult to find.

We must consider self-discharge on the batteries since they need to last for a year.

To Do: Inform Dr Sheldon about blackboard.

Tyrel will arrange to purchase the hardware with Carrie at the Den

Continue work on product requirements specification – Nikolai

Continue work on schedule + Gantt chart – Tyrel