Relevant Information from “Hyperloop Rules and Requirements” and “Specifications” documents

* Need to know power consumption by sub system
  + We should choose efficient sensors, chips, etc.
* Are we responsible for the pod navigation, levitation, propulsion, and breaking systems?
* Must have a working GUI that can send commands to the train
* Need telemetry stream
* Remote control emergency stop capability
* Electronics must be robust to vibration
* We are going to need batteries to run the sensors, cpu, etc.
* There’s a charging station in the waiting area for the pod
* Bandwidth shouldn’t exceed 20Mbps from the cable on the tunnel ceiling
* Latency should be <10ms
* Network access should be constant, but if the network disappears, the pod should enter a “safe state”
* We could use our own communications system other than the Ethernet…
* They are going to give us a network access panel which we will have to incorporate at the staging area
* We can use our own antenna for the N.A.P.
* There is tape along the inside of the tube to indicate the pod’s position
* Braking system must be redundant