

Getting Started: Secondary Communication Systems

What is the goal of the communications team?

The communications team is responsible for developing an infrastructure through which data can be transferred from the on-board computers inside the rocket to the ground station.

How will we be transmitting the data?

We will be using a new system based on the [LoRa](#) protocol.

What are the major checkpoints for the year?

1. Buy LoRa components and develop receiver and transponder
2. Conduct local tests by transmitting dummy data
3. Conduct scale tests
4. Conduct scale tests to actuate other Flight Systems components (Air Brakes, Parachute)
5. Interface with Ground Systems GUI

Timeline:

October	November	January	February	March
1	2	3	4	5

Next Steps:

- Confirm components that need to be bought
- Research solutions for antenna