

Organization

Communications Department

October 17, 2016

1 Scope

At the Project Charter the scope of our department was fixed to the following items.

- An analysis will be done to clarify how many ground stations must operate and the possibility of placing a central one in UPC ESEIAAT.
- The requirements and costs of the ground station will be determined.
- Communication logistics will be defined.
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2 Tasks

In the project charter we had 3 major tasks. It is needed to divide these tasks into more detailed tasks so a proper following of the project could be done.

Communication protocol The communication protocol task lasts 100 hours. It can be divided into:

- Physical topology of the constellation: 15 hours.
- Working frequency: 10 hours.
- Communication logistics definition: 20 hours.
- Study of existing protocols: 25 hours.
- Protocol definition (by creating it or adapting an existing one): 30 hours.

Ground station This part will take 80 hours. It is composed by the following tasks:

- Number of Ground Station required: 20 hours.
- Systems (antenna) needed: 40 hours.
- Estimation of the cost: 20 hours.