TASKS

100% probably missing stuff so add/change etc

Give suggestion on telemetry telecommand standard

* PUS Natalie has made an initial draft of these
* Commands and subcommands for some instruments

Approximate calculation on uplink/downlink data rate

Carlo has completed these

Packet system able to correct at least a single bit error

Discussion on different modes of satellite

Natalie has made an initial draft of these

Mapping to instrument modes

Natalie has made an initial draft of these

Security for non-authorised commanding

Map functionality to included hardware components

Discuss critical parts of software which may place special demands on system

Method/design allowing reprogramming from ground

PUS services 6 and 8 link into this

Show how the redundancy is implemented

Architecture diagram

Georges had completed this

Discussion on design requirements including why functionality is implemented in soft/hardware, why centralised/distributed etc.

Your design should • have very small mass • extremely low power • be very cheap • be very small • have very short development period • withstand all sorts thermal, mechanical and electrical loads • be 100% reliable • be extremely simple to test and integrate etc, etc