

Satellite Operational Commands

[http://oresat.org/pub/satellite\\_operational\\_commands.pdf](http://oresat.org/pub/satellite_operational_commands.pdf)

5-Dec-2019

**Note:**

***This is a preliminary document for the most part because the OreSat software development team is currently working on this aspect of the project.***

**20-Dec-2019**

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[IARU 5d]

Optional: Give the complete space station turn off procedure.

The following diagram illustrates system states the space station can traverse through:

[http://oresat.org/pub/C3\\_State\\_Diagram.pdf](http://oresat.org/pub/C3_State_Diagram.pdf)

The Turn-Off procedure is to send a ground station command called **KILL\_TX** which will place it into a mode where there is no radio transmissions whatsoever, and only leaving critical code blocks running. In this mode the station will listen for further telecommand from the ground station before traversing out of this state. Critical code blocks that remain running only maintain the C3 critical subsystem operation of power, battery storage, and telecommand receiver.

The KILL\_TX telecommand is a single packet.