

CANSAT PDR comments

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Main Content



The following comments are made in line to keep the PDR simple to read to the CANSAT admin team while not committing technical values but also maintaining competitive advantage.

Changes to be made

- ◆ Change all words of rocket to Launch vehicles(LV).
- ◆ Mention the CMG as an attitude control mechanism
- ◆ Mention the primary and secondary decent control mechanism separately and **CLEARLY** .
- ◆ Mention the propeller as a thrust mechanism and part of the secondary decent control , dont mention it just as a propeller. IT should be said like **A decent velocity control mechanism cosisting of a propeller** .
- ◆ In the reasons for choosing the parachute , give more robust reasons , also DO NOT MENTION its **simpler**
- ◆ **The reefed parachute will be connected on the outer body of the CANSAT** , do not mention this , they will think it would be protruding from the external strucuture.(mentioned in the deployment of cansat section)
- ◆ **The lid is attached to the CANSAT by a hinge or a zip-tag.** Mention it at as a severable holding mechnaism , reason being we can't mention a zip tie as a holding mechanism as they may suspect its strength.
- ◆ **Single Gimbal Control Moment Gyroscopes (SGCMGs) are the most basic, but widely used CMGs.** Don't use the word Basic
- ◆ Mention WHY the CMG is innovative.
- ◆ Also mention why a Reefing chute as a secondary decent control is very reliable .

Further refinement is needed , Also format all the calculations with more comments, making them more verbose.