

To: Alicia Johnstone  
E-Mail: aijohnst@calpoly.edu  
From: Nimesh Sangani  
Date: May 20, 2020

Subject: Additional Information Request

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Message:

Please address the following questions/concerns.

The applicant has filed for an experimental authorization using Amateur frequencies. In our view the operations are not amateur, therefore we suggest the applicant use a nature of service other than amateur in the spacecap file and provide an appropriate interference analysis.

CalPoly is applying for both Earth station operations in California and Indiana. It is more appropriate for Purdue University to apply for their own Earth station in West Lafayette, IN since they will be performing Spacecraft tracking and mission operations as well.

How does the PolySat flight software work? The applicant indicates the Dragsail deployment is initiated autonomously. What does this mean? How does this work? Is there any data or records available to verify the successful use of this?

The applicant has indicated there will be no Uplink. The "flight termination" function is the ground-commanded initiation of the on-board ordnance. How will flight termination take place in the event of an onboard malfunction? Should this be directed to the Firefly applicant?

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of May 20, 2020 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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Responses to this correspondence must contain the Reference number : 55366