

To: Alicia Johnstone
E-Mail: ajohnst@calpoly.edu
From: Nimesh Sangani
Date: October 26, 2020

Subject: Additional Information Request

Message:

Please address the following questions and concerns.

1. Please confirm that the orbital lifetime and collision risk calculations in the most recent ODAR you provided (Oct 14, 2020) were obtained using the entire upper stage, to include the Spinnaker-3. Additionally, provide the mass and area-to-mass figures of the entire upper stage, including the Spinnaker-3.
2. Can you provide a location or POC where we may obtain a copy of the referenced "Firefly Alpha ODAR Ver002, 1 NOV 2019"?
3. The new orbital parameters presented in the most recent ODAR (Oct 14, 2020), 450 x 290 km, indicate the spacecraft will now pass through the ISS altitude where it would not before. What operational or design strategies will be used to minimize the risk of collision and avoid posing any operational constraints to the inhabitable spacecraft?

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 October 26, 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 : 58171