

To: Carlos Nalda
E-Mail: cnalda@lmiadvisors.com
From: Nimesh Sangani
Date: February 01, 2021

Subject: Additional Information Request

Message:

Please address the ODAR related questions concerning this filing:

1. All of the components in the DAS survivability section are listed as "New Component" with a number. Please provide the actual component names.
2. In the Description of Proposed Experimentation document, you state there are deployable solar arrays. The ODAR contains no information regarding either deployable components or stowed/deployed satellite configurations. Please provide the physical dimensions for both satellite configurations, as well as area-to-mass figures, orbital lifetimes, and large object collision risk numbers. As well, are there any additional deployable components beyond the solar arrays?
3. The large object collision risk in Section 5 is given as $2.24E-7$, while the DAS logs show $3.2538E-7$. Please provide the correct large object collision risk for the satellite and explain the inconsistency.
4. Please provide an overview of the propulsion operations of the satellite. Will propulsion be used for stationkeeping, and if so, to what tolerances? Will the propulsive maneuvers be used for significant changes to orbital parameters, or to extend the life of the satellite beyond the proposed ~3.7 years? Are there any plans to use remaining fuel to perform orbit lowering at the end of the mission?

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 February 01, 2021 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 : 59735