To: Laura Stefani
E-Mail: LAStefani@mintz.com
From: Nimesh Sangani
Date: April 22, 2021

Subject: Additional Information Request

Message:

In addtion to my previous email, please address the following questions/concerns:

1) How long will the applicant operate the spacecraft prior to starting end-of-life orbit lowering procedures?

2) Please address the probability of damage from small objects as described in NASA-STD-8719.14B, requirement 4.5-2.

3) Will there be coordination with the ISS and other appropriate agencies when deorbiting through the ISS altitude during end-of-life activities?

4) On page 7 of the ODAR, it's stated that 0.075 kg of propellant is expected to be required for 2 expected maneuvers per year. Then, in table 3, it is indicated that 0.085 kg of propellant will be budgeted for 6 maneuvers. Please provide an explanation for this discrepancy.

5) What is the timeframe from receipt of a CDM to final determination regarding whether a maneuver will be required?

6) What is the timeframe from receipt of a CDM to final determination regarding whether a maneuver will be required In the event of a propulsion system failure and a high-drag configuration will be utilized to perform avoidance?

7) What are the targeted reduction in probabilities of collision when planning an avoidance maneuver when using propulsion and when using a high-drag configuration?

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 April 22, 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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