

From: Michael L Miller

To: Nimesh Sangani

Date: November 03, 2020

Subject: Additional Information Request

---

Message:

1) In the ODAR we noticed that the calculated orbital lifetime is the same for a 475km circular and a 425 km circular orbit, at least in the ODAR document. Is this an error? Please clarify.

Answer: The estimated lifetimes are different for the min and max orbits. We have edited the ODAR R2 to present more clarity for the data on the min and max orbits and associated lifetimes.

2) This satellite will descend down through ISS altitude - is this addressed anywhere in the ODAR?

Answer: The calculation from the NASA DAS model, of the probability of collision with large objects (Appendix page 19), is taken to include the risk of collision with the ISS. The total probability of collision,  $2.4928E-08$ , is compliant. In the ODAR R2 we have stated this probability in the body of the text on page 10, for clarity.