

To: Jennifer Manner
E-Mail: jennifer.manner@echostar.com
From: Nimesh Sangani
Date: May 24, 2021

Subject: Additional Information Request

Message:

Please address the following questions/concerns:

In part b) of the EG-3 ODAR response, you state you may maintain altitude and inclination during the 3-year mission after reaching an altitude of 650 km. Please provide the tolerances (+/- km off 650 km, and +/- degrees off 96 degrees) the satellite will be maintaining.

In part d) of the EG-3 ODAR response, you clarified that the spacecraft will operate at 650 km, not 550 km. This confirmation, along with the information from part b) that altitude and inclination will be maintained at 650 km, 96 degrees has an impact on the DAS analyses previously provided. In the ODAR document dated 2/24/2021, all the DAS analyses show that the satellite will not be maintaining its altitude or inclination (you set "Station-Kept" to false.) Additionally, the mission duration was set to 5 years while the actual mission duration is 3 years as indicated in Table 1-2. Please redo the appropriate DAS calculations (large object collision risk, orbital lifetime, etc.) with "Station-Kept" set to true and a duration of 3 years.

In part e) of the EG-3 ODAR response, the original question was aimed at the EG-3 transiting through the ISS altitude as it decays during its post-mission timeframe. Are there any plans to perform collision avoidance when transiting through the ISS altitude during its post-mission timeframe? Will there be coordination with any agencies, such as the 18th SPCS, NASA or others for purposes of tracking the spacecraft as it transits through this altitude range during the post-mission timeframe?

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 24, 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 : 62159