

To: Jennifer Manner
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From: Nimesh Sangani
Date: April 22, 2021

Subject: Additional Information Request

Message:

Please address the following questions and concerns:

1) Please provide an updated NTIA Space Record Data form.

2) Questions on the EG-3 ODAR:

What will the propulsion system be utilized for? Will the spacecraft perform stationkeeping (and if so, to what tolerances), orbit raising/lowering (and by how much/to what altitudes and when during the mission timeframe), collision avoidance or any additional functions?

On page 18 of the ODAR, the area-to-mass is listed as $0.012 \text{ m}^2/\text{kg}$ in the chart. All other references in the document show the area-to-mass as $0.0134 \text{ m}^2/\text{kg}$. Please provide an explanation for the difference.

On page 7 of the ODAR, the maximum insertion altitude of the spacecraft is indicated as 550 km, but everywhere else in the document all calculations are performed with a circular orbit of 650 km. Please provide an explanation for this difference.

Are there any plans to perform collision avoidance when transiting through the ISS altitude? Or will there be coordination with any agencies, such as the 18th SPCS, NASA or others for purposes of tracking the spacecraft as it transits?

3) Questions on the Pathfinder-2 ODAR:

Is the pathfinder-2 still performing orbit lowering maneuvers or has it completed? What is the projected remaining orbital lifetime of the spacecraft?

What is the current altitude of the pathfinder-2?

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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Responses to this correspondence must contain the Reference number : 61539